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# BRITISH AMERICAN JOURNAL. 

## ORIGINAL COMMUNICATIONS.

## MEDICAR DMPARTMENT.

ART. VIII.-Removal of the inferior maxilla, for a mulignant satco-sarcoma. Byefoin IR. Dickbon, M.D., P'rofemer of Surgery, Univereity of Queen's Cufege, Kingston, C.W.

Trancis Kain, a native of Iroland, but residing in Canada for the last 28 years, was admittet into the Kingeston Oencral Hospital, on the 8th of June 1855, in order that he might be treated for a rapidly increasing tumour within the mouth. IIe whe 60 years old, a shocmaker by trade, of a florid complexion, fair hair, large heavy cycbrows, was somewhat dieposed to corpulency, and had been apparently of a robust constitution, but for some time had been much addicted to intemperance.

IIe stated that, on the 10 th of November last, he first obscrved a small ridge uron his gums along the molar teeth of the left side, which cauned him a great deal of uncusiness and alarm. In February following, wome of the molar tecth were extracted, after which, the tumour increased a good deal, and seemed to sprout from the sockets of the extracted teeth. His medical attendant ordered him to live on milk diet; but did nothing more for him until the end of May, when he ordered the occasional application of the acid nitrate of mercury, arid prescribed the syrup of the Iodide of iron.

On his admission into Hospital, there was an irregular fungoid like tumour extending along the entire left balf of the inferior maxilla. It projected jnto the mouth, displacing the tongue, somewhat impairing the speech, and inpeding to a considerable extent mastication and deglutition. One or two of the molar teeth remained, but, they were almost covered by the tamour. He complains of a severe intermittont pain, especially at night, in the whole of the left side of the face, shooting along the cheek towards the left car and temple. The tumonr is very much disposed to bleed, and there is a dark coloured, thin, foxtid, ichorous discharge, which is not only unpleasant to himself, but also to all who approach him.

The maxillary glands are not enlarged. He cannot assign any cause for the complaint, never received a blow on his jaw, is much addicted to smoking, general health good.

As the tumour was now evidently increasing rapidly, and had reached the symphysis menti, it was resolved to remove it, and with it, the left half of the inferior maxilla.

On the 18 th of June, he was brought into tho operating theatre and was strapped in a chair. Local anasthesia having failed to produce the desired effect, the patient insisted that, chloroform should be administered to him, which was very reluctantly done, but not carried to the extent however, of producing total insensibility, so that, he could spit out the blood when directed to do so. A curved incision was commenced at the angle of the jaw, carried along its base to the chin, and thence upwards near the mesial line, as far as practicable, without totally severing the lower lip. The flap was dissected upwards along with the masseter muscle. The jaw was sawed near the symphysis. The muscles and other soft parts were cautiously dissected from before backwards. A strong ligature was firmly tied to the free end of the bone, which facilitated the remaining part of the operation very much, as traction could thus be exercised in any required direction, during the disarticulation of the jaw. Three ligatures were employed, and a piece of sponge was placed in the wound until renction was established, which took place five hours afterward, when it was found necessary to apply another ligature to arrest the hemorrhage. The wound was then closed by sutures, and supposted by an appropriate bandage.

On the 22nd the bandages were changed, there was then a free secretion of healthy pus. Union to the extent of an inch had taken place at the upper end of the wound.

He continued to progress satisfactorily. On the 18th July the wound had united in its whole extent. He was then permitted to visit his friends in the city occasionally; but continued in the Hospital until the 23rd July, on which day, he was discharged, much pleased with having got relieved of suoh a loathsome disease.

He presented himself again at the Hospital on the 10th September following, when the cioatrix and surrounding parts maintained a healthy appearance.

Dr. Dickson was assisted at the operation by Drs. Stewart and Fowler, in the presence of Staff Surgeons Mair and Smith, Drs. Yates and Baker, and a large number of medical students.
P. S.-The subject of the above report presented himself again at the Kingston General Hospital on the 13th December 1855, for re-admission. On examination it was discovered that the cicatrix internally was studded with a chain of fungoid projections, an ulecr of malignant aspect was also apparent beneath the chin. The lungs afforded unmistakable evidence of disease. It was therefore deemed inexpedient to adopt any other than a palliative mode of treatment.

The disease progressed steadily until the I6th of March 1856, on which day the patient died, having survived the operation nine months lacking three days.

Kingston, January 10, 1861.

ART. IX-Will a child born after the nuther has haed Small Pox, and contructed after she has conceived, be lialle to contract the disease? By Archibald Mall, M.D., Professor of Midwifery, University of McGill College, Associate of the College of Physicians of Philadelphia, PhysicianAccoucheur to the University Lying-in IIospital, \&c., \&c.

The number of the Medical and Surgical Reporter of Philadelphia, of date January 26th, contains the following important query, put to the Profession in a letter, by Dr. Trimmer of Whitchaven, Pa.
"Will a child born after the mother has had Small Pox, and contracted after she has conceived, be liable to contract the discase? Would the period of pregnancy have any thing to do with the disease?
These are important questions, and to which the attention of the profession has not been hitherto directed. Indeed the cases offering, which might tend to elucidate them, are, if not rare, seldom watched; while the practice of vaccination, as commonly pursued, is seldom accompanied with questions (if the parties are unknown,) as to the existence of Small Pox in the mother during the period of gestation. Such cases are however admittedly rare, and if a chance of making such an investigation did arise, it would be, more than likely, overlooked. A case has lately occurred within my practice, which enables me to give some kind of reply to Dr. Trimmer's first (question.

I imagine it may be laid down as a gencral rule that pregnant women attacked with eruptive fevers are exceedingly apt to miscarry, probably in consequence of the death of the child, although there exist many exceptions. Again it is well recognised as a fact, that one attack of an cruptive fever, by no means, as is commonly supposed, exempts the individual from a subsequent one. I have seen instances of persons, pockmarked, suffer under a subsequent one, and I distinctly remember of having seen a man who was suffering under a third attack of the same loathsome affection; and parailid observations are very common with regard to Rubeola and Scarlatina. All that we can affirm with regard to the influence of primary attacks of these diseases is, that the individuals are rendered thereby less obnoxious to subsequent ones, but nothing more. With regard to variola vaccination acts in a similar manner, and not improbably to an equal degrec. As regards the foctus, we can hardly suppose that the infant in the uterus of a pregnant woman should not be influenced by those diseases, under which the mother's system is suffering, and that it should not participate in all those protective effects, which, if any, a primary attack commonly entails. That this is more than probable, the following case will tend to shew.

About four or five months ago $I$ was requested to prescribe for a Mrs. B., aged 18 , a strong healthy young woman, pregnant with her first child, and then about the sixth month of utero-gestation. She had been vaccinated when an infant, but was now labouring under a sharp attack of modified Small Pox, this disease having been then prevalent in that part of the town in which she resided. There were unmistakable signs of incipient uterine action; and I anticipated premature labour as the inevitable result of the disease. The symptoms were calmed, however, by the administration of a full dose of the Solut. Morph. Mur.

The mother passed through the disease in the most favourable manner, but as evidence of it, she retains several distinctive marks on her face.

I was exceedingly curious to ascertain the effects of the Small Pox on the child, whish I firmly expected to be pockmarked at its birth from head to foot; and my curiosity was gratified on the 16th of December, when I was summoned to attend her in accouchement. After a perfectly natural labour, of ordinary duration, she was safely delivered of a fine boy, whose skin did not exhibit the slightest indications of its having suffered from the disease which had affected its mother a few months previcusly, There was not a single mark upon its body.

Now arises the question of susceptibility.
When the child was a month old, in consequence of the still existing prevalence of the Small Pox in the same neighbourhood, even although the infant was so young, I deemed it advisable, as an act of prudence, to vaccinate it. The operation was accordingly performed on the 20 ad Januery. On examining the arm on the 26 th, four days afterwards, there was not the slightest appearance of irritation on it. I repeated the operation on the same day, and up to the moment of writing, for I have seen the child this day, February 4th, the ninth from the date of the revaccination, the arm appears as if nothing had been done to it; the operation of vaccination having therefore totally failed.

Now there cannot exist the least doubt as to the genuineness of the vaccine matter employed on these occasions. I had vaccinated two children previously to, and one on the same day as, that on which I first vaccinated Mrs. B's child. In fact a portion of the same scab had been used in all the cases, and the operation had been uniformly successful on the three other children. Besides it is commonly believed, and not without reason, that the operation is likely to prove the more successful the earlier the age of the infant. There was every thing, therefore, in favour of the operation proving entirely successful in this particular. case.

To what then are we to attribute the failures? It appears to me, and the idea had impressed my mind before I saw Dr. Trimmer's questions, that it could only be attributable to the protective influence afforded by the mother's blood, when circulating through the infant's system during its intra-uterine existence, and while the mother was suffering under the disease, operating upon the constitution of the child, and producing its effects, precisely as it is doing on the constitution of the mother. We cannot, of course, explain how this protective agency is exerted, although we can appreciate the positive existence of such a preventative or protective influence in its effects, and I feel bound to consider, that in this instance the protective influence of the attack of variolous disease on the mother, prevented the impregnation of the infant's system by the vaccine virus, exactly as it would have done in the mother herself.
I am fully aware that we cannot build up an hypothesis on a single fact, any more than a single swallow can make a summer, but there is so much, consonant with every day's experience, in the idea that the unborn infant should be influenced by its mother's diseases, and partake to the fullost extent in all their. effects on her system, that we cannot but admit it, as a fact.

In this case however, the child did not present the slightest evidence of a cicatrix on any part of its body; and hence arises another curious question which however it is impossible to answer. Could it have had the disease in utero, and the formation of the ordinary pockmarks prevented by the continual application to its surface, or the juxtaposition, of the Liquor Amnii. My own opinion is that it had not the disease, or I should in all probability have had a case of prematufe labour to manage as the consequence of its death. But if it had had it, it would have been a convincing proof of the truth of the theory, that to prevent pitting in Small Pox we should exclude from the pustules all contact with the air.
If the inference drawn from the foregoing fact be a fair one, the second question submitted by Dr. Trimmer is one of easy answer. I can see no reason why like influences should not be exerted at all stages of intrauterine existence. There is nothing more common than to meet with cases of abortion, at early periods of gestation, the inevitable consequence of the venereal impregnation of the mother's system; and if the unviable foetus is thus influenced in one way, why not in another. No corollary to my mind can be more clear.

Since the foregoing was written, and after the manuscript had been placed in the printer's hands, I have learned from Dr. Stranaghan, Staff Assistant surgeon, attached to the Royal Canadian Rifles, that a case similar to mine had lately occurred in one of the soldiers' wives of the Rifle Regiment, who had been attacked by Small Pox, between the 7th and 8th month of utero-gestation, and recovered. In due time she was delivered, and when the child (which also had no vestige of the disease about it) was about a month old, in consequence of the prevalence of Small Pox among the soldiers' families in the regiment, he thought it advisable to vaccinate it. In this case also, although there could not have existed the slightest doubt as to the freshness and purity of the vaccine matter employed, the operation utterly failed.

Montreal, February, 1861.
ART. X.-Grooving of the Tarsal Fibro-Cartilage, (Streatficld's Operation), for Entropion and Trichiasis. By Roberi L. Macdonnell, M.D.

When seversl operations are recommended for the cure of the same disease, it may be inferred that the disease is difficult to treat, or that the operations are of equal value and not very successful, and this remark applies in a peculiar manner to the disease above-named; for even at the present day we find the old operation of Crampton for Entropion recommended by one of our ablest ophthalmic surgeons,* although every one who has paid attention to this branch of surgery must have seen numerous instances of its complete failure.

As I have not obtained as much success from any of the old operations as from the one recently recommended by Mr. Streatield, of the London Ophthalmic Hospital, $\dagger$ the particulars of the following case may prove useful to the readers of this journal.

[^0]Betors detailing the mase, it will be well to quote the remank of Mr. Sturatfied in explanation of his operation:
"Bavis of the neve operations.-Convidering the mature of outes of entropion and trichiasis as tar as they are asoweiated, and the ineomplote suoves of the pratent surgioal treatment, I have adepted a new apration of which 1 ban say that, exeepting some eases for which it is not mapted, mad which may low ilenti-
 chiefly as I have observed antor deop wounds of the seap, with hass of substunce, when the oxtipito-trontalis has beeme adheront to the perimanima, that a nime amib depressed cieatrix is formed, which limits the attion of tho fite portion of the musele to the boudary of the sear, and that the grow th of tho hair, at this part, is ditwoted tourerds it.
". Methen of operating.-Tho operation has beon performed thus: The hid is hedd with Desuarre's forveps, the that blade passed under the lid, and the ring fixed upon tho skim so as to make it tonse and expme the odge of the lid. An incision with the seappel is made of the desiod lougth, just through the skin, sloug tha pulpeboal margin, at tho distance of a line or less, so as to axpose but not te divide the mets of the hashes: and then juat beyond them the incision is continued down to the sartibug (the extromition of this womad are inclined towards the edgo of the lid): a seeond ingisim tarther from the patpelmal margin is made at one down to the eartilage, in a similar direotion as the first, and at a distance of a line or moro, and joinnge it at both extremities: these two inoisions are them continued derply into the cartilage in an obligne direotion towards oach other. With a par of forvops the strip to boexoised is soizod and dothehed with the seulpou."

When this partion of skin and subjuent tibrowartilag aro romoved, tho wound asames a gapis appearameo, and, contrary to what might be supposed, the edges of the wound noust not be brought togethar but be allowed to separatto as fire tos passible fiom one anather, and to heal by ciatriaution, for on this depends the suceoss of the operations.

Case-A Fronch Camdian girl, aged 18, was phaed under my earo for a severe form of entropion of both ojes. The lids were so mowh invorted and surted up that it was not without diffivalty that $i$ could obtain a viow of tho oyo bolls whioh presented the apporance usually notived in suach oases, and not being ablo to open her eyes, she had to bo led about by her frionds, and was regarded by them as ineurably blind. Tho onso apperred a good one for the trial of Mr. Struatiold's operation, and I proveded to pertorm it on the right eye first. I found it easy of excontion. The oywlid was fixed by a Desuarre's forcops of largor size than tho one in orlinary use, and the ineisions wore made with a small French sealpel such as I use in plastie opurations about the faco. In one week this girl conld sea with comfort, the opacity of the cornea gradually claared away, and she was so muoh ploased with her improved condition, that sho refuested that there should be no delay in resorting to the operation on tho left eyo, which was accordingly performed threo weeks atter that upon the right. A similar result followed, with this exception, that though her attention was directed to keop the odges of tho wound apart,
yet on the third dey I had to separate them and interporise a strip of hint, as they had beceme united ly plastie offusion, This was the only ibing that oxecorred worthy of note. S may mention that I was assistad in the first operation by Br, David, and in the secesud by Dr. Dones. During the process of caure, I paid partientar athemtion th the condition of the cyeloshow, and I. can cennirms the statoment of Mr . Streathish that they not only takes a diregtion forward clestr of the eye ball, but they taro upwards and bsackwards wowards the cievaliviz. I

 cya brows.

After the oferation, the wond should be bathed with oold water, and slifhes Waker dressing kept to it sill siexatrization takes phave.

This girl remained under my ohstryatiou for a couphe of monthe, and her
 luml not doure for thres yeats.

Montreal, Yebruary, 1861.

ARI' XL-Amginu Pelliculuris, By P. O. Psumeworm, Dis, Philipsburg, C. E .


 bouring prowtitioners, war fas I amable bo karn.
 of wirce throat and headeches theres days betione, and of ohills; was kept from schord. This morning was taken wilh vomiting; and the nexk was wofled largely on the righe wide, below the anghe of the jaw. The voike was unchanged and there
 anxious, the skin moist, the polse 100. The vangue was louded with a thick
 at its base, the velum palati was foud cogerod with irrexular patchess of diesy white mombrane, booking like pisers of thick paskeforard sucuk upon the mucous surface. Ther conaills wask also coverod, and the apula, fat unfiorely. The palate was somewicat inflamed, and the fissures betwese the membrane were livid.

Apphas, with the sponge probanes, a sylusion of Argent. Nit. (yy. xa wo
 Argent. Nit, with the caustis holder. Lefthe wolution with direstions wa apply every nix hours. Ordered Potass. Chlorat. in solution in direse ge, doses eycry three hours, and guth. $v$ of "Cinct. Eter. Muriat, every altertate thre howes. The browels to be noved gently wibh ol. Ricini. Warm forcentations to be appliod to the nock externally.
Doc. 20. Passed a comiontable night, tongue cilearing off, pulse 100. The membruase prosented a uniform apparance over the velum patati and tonsils; no fissures in it. Could not perceive that it had extender any further down the phargnx. Continued the use of the Argent. Nit. in polution and also the Potass. Chlorat and the Tinct. Wer. Mur.

Dec. 21. Membrame in patches. The right tonsil unoorored, a slough or oast having boen thrown off during the night. The pationt having, as was said, "several attacks of ohoking, until the face was purple." Pulso S0, tongue cleaned off. Seeming very weak, orderod beef tea, and 3 ii. of bramdy every four hours. Continued the Potass. Chlorato and Tinct. Fer. Mur.

Dec. 22. Membrane has reformed on the right tonsil, but has been thrown off the left. The velum palati was covered on tho right side, the urula looking as if it was enclosed in a shenth.

The bowels were moved by Ol. Ricini. $\mathrm{\Xi}^{\text {ss and }} 01$. Terabinth, gutt. x , bringing away a large number of worms (Asearis lumbricoides). Slight bronchial cough with a mucous ralo; slight expectoration.

Deo. 22. Passed an uncomfortable night having had soveral paroxysme of dysprooa. The velum pulati covered in patohos, the uvuln covered, the tonsils both uncovered. Tho breathing was somewhat impeded, but could not discover that the membrane was forming in the air passages. The pulso was slow, say 65, and feeble, but regular. Continued the broth and brandy, and the Tinct. For. Muriat. Discontinued the Argent. Nit.
Tho external tumefaction of the neek had subsided, so that tho fomentations were discontinued. The fotor of the breath was much less, as if correoted by the chlorine liborated by combining the Tinct. Fer. Chlo. and the Potas. Chlornt.

Dec. 25. Membrane entirely disappaared, tongue elean, pulse normal, countenance still unusually pale; some cruving for food. Mad tested the urine several times, but had not detected albumen in it. Ordered Quinine, gr. ii., throe times a day and the Tinct. Fer. Muriat. continued.

Jan. 1. Child able to sit up, considerable Bronchitis with a considerable amount of expectoration. The parents are alarmed at the almost total loss of voice and the difficulty of swallowing, most fluids rergrgitating through the nostrils. Gave Tinc. Fer. Muriat. gut. 5, with Stryohnia gr. 3ל every four hours.

Jan. 15. Mealth improving. Paralysis of fauces and chordo vocales still manifest, but disappearing. The ansemio look is quite apparent.

Jan. 30. The child is getting quite well.
In regard to the treatment of the case, it was one suggested on the spur of the moment; various others are every where suggested; no doubt good as far as they adopt a sustaining treatment from the beginning, as the disease seems one of debility from the first. I have some doubts in regard to the caustic, it seeming in this case to have had little influence over the mombrane or the spread of it, as though eauterized with the solid Argent. Nit. and diligently washed with the strong solution, the membrane re-formed several times, and whon fully formed was totally imporvious to any effect of the caustio.

Jan. 16. I was called to see a child two years old, that had been sick with sore throat, since the 9th January. The pulse was 120, the countenance had the livid appearance indicating the unaeration of the blood. The uvula was covered with the diphtheritic membrane, the tonsils were gangrenous in appearance and the breath terribly frotid, the urine highly albuminous. The neck
was swollen externally. The child had passed a largo number of worms. It seemed too far gone for much treatment and died in two hours afterwards.

These are all the carcer wo have heard of in this vicinity.
Philipisbury, Jun. :0th, 1861.

## REVIEW DEPARTMENT.

ART. XII.-Rechercher aur lu substitution yraisscuse du Roin. Par le Docteur Envebt Gonamo, Inkerne des Hopitaux de Paria, Membre de la Eqcietg Anatomiguc; Paris, Victor Mankos, 1859, pamph. 8 vo, pp. 23 et troia plancher.
Frecurches on futty substitutiom of the Kidney, by Doctor Erncet Codard, \&e.
Such is the title of a pamphlet lutely rexeived from the abreve well known publisher of Paris. The author having met with an interesting example of partial atrophy with fatty accumulation in and about the Kidncy, decides upon publishing a description of it, and at the pame time collecting, from the leading writern upon fyatholegical Anatomy and renal discases, such notices of the alteration in question, as they might contain. Had he confined himbelf to this lahour, we believe he would have presented a more acceptable brochure than that before us, and would have avoided the injurioun cuatom of the aye, the regroduction of the well knovin views of previous authors, and the infliction of another epsiay upon the studious, with no originality of thought or independent perional observation to recommend it. Inecsad of doing so, hovever, the author enterainto some vague generalities about adipose tisune, makea bome combion-place remarks upon what he calls futty infiltrofion, corresponding to the "fatty degene ration" of English authors; reproducessillustrations from Dowman and Johnson of this change, as it affects the epithelial cells of the liver and kidney; insists, as though he were doing some new thing, upon the distinction existing between "fatty degencration" and what he stylea "fatty substitution," a condition that English authors recognise as "fatty growth" or "fatty accurnulation."

The following are the ehief factis of the case which M. le docteur E. Godard observed. A man aged 58 , was taken to "1'Hopital de la Charite" dying, and he died the next day apparently from the effects of charcroal gas. The left kidney presented a considerable accumulation of fat at ita lower extremity; this adhered intimately to the renal capsule; the part of the organ surrounded by the fat waa very much atrophied; and there was a deposit of free fat under the wucous lining of the pelvis continuous with the accuruulation upon the outside. The upper part of the organ, being devoid of fat, preserved its normal character. The Felvis of the kidney was enormously dilated, and contained some purulent faid and a calculus about the size of an almond. The calculus bay upon the orifice of the ureter, whose salibre was so reduced as barely to transmit a bristle.

The above is simply an interesting exaunple of fatty groxth about the kidney,
 of the ubter ; as was pointed out by Cruvolhier and liohitansky.

Liko haty noomudation abont tho hoart, it may owour minoidontly with a
 growth in the enomong. It douhtosis in somo instanose impaine tho nutrithon
 and in othore, it is porhaps itsald sewordary to suspended theatom and atrophy of the ogan, as is obemrod in the mammo at what at moneth,

Fortunstoly, thia pathologival oondition nsually obtains but in ona hidney, and as it is porhape most mequently mot with in those wose in whioh romal mhenlus has hed to prolitis, obstruotion of tho wotor, hyimonophesis, and dostruntion ut tho sterotints sulatanoe of tho ghand, it is probably in such instanows, datomdury to the alteration in the renal strmoturs. Fatty growth in and about the Lidney






Tho work butero us is an ominemtly pasthal one, writton ly oto of tho
 of tho formative organs of gemeration in tho fomato, tinally wombede, at tho
 done in one of the most orgimal volumes whinh it has heth our bertum to prevas.

When wo ansider the axtromo importaneg of tho disosiste in question, thois frepuent absurity, their disthossing inflemor upon tho systera of the sumbing fenale, the dithonltios in their treatment, their frequenty of menmense, thas nooty in diagmosis whish they menim, and, hathy, tho ohstinasy or invoteraty


 viovs of one who has onjoged no moan opportuntios for purning his inyuitist.

Wo have to momath that the anthor by in woms has propesod to oonsider all the disares of whioh tho tormative ogans of genaration in tho fomala may prove the origin or the seat. Ha has dovoted his pages rather to a onsidoration of the hater; and in tho onteot has divided them into two gromp, - ist, those of irritation, and, Sud, thoso of sodation,-amd he starts with reviotly defining the moming to be attaohed to these torms.

Uader the former, or irritable diseases of women aro inolnded those whioh more or less dirwely involve tho bombrospinal system. Ot courso they are numerons and diversitied; but novortholess they so ofton, indeod so genorally, depond on somo looal irritation. that their apparently variod, oomplimeted, and mysterions ohamoter, will bo, in some dogrot, dissipatod by a olosa andysis of their phemomena." And this romark is nadoubtedly truo, for wo vory trequently witues phenomona of a genorally nervous charmeter, ompletely alleviated by
 nections have givers origin te the whole huin of symptoms.

In defining the orrus " irritalility und exdation," hathey are employed in that
 unes the following langunge;
"By thes briluluility of tisences is simply meant a capubility of recotvine impressiuns from burconaling agenty, and that producing phenomens, and is only

 woll ue animale; the the organicemolecular cell as iruly as th the most emphicated and [kifeat strouture," und in contirtation, and by way of distinstion he



 Lion of vital excitementes, but by mon meane implying on the pare or parts a loss of yower or dability,


 und even chlorowis. White under the hoading eft the former, and general type of irribable uterus, the anthor has combidergl the ofler commom dis-
 the result of efthor nterine comzomion of uterine foftummution; wnd ws sork-

 whether noticed ins the rectum, vulva and vapinu, badder and urethra, lyangasdic glands or pelvis, nerves, which are ws onnmonly encountered.

But the gincipal part of the work to curcuphed with the consideration of sis. folusemente of the vierus, whether these assumo thas formas of antio or retro hexim, or anij or retro version, or whether thay exist in the form of lateral displacemente. Indeed althotate wo part oft the yoluze is not emznently desserving of perusal and itudy, we think that the nine chaphers dor volud us this subijeat, are cespecially so, atsd we know of no mone valualle momo-
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 work ass a whole, we canmot but regard it as once of the nosisi orizinal and mont practical works of the day; one which excery arxouckeur and physioian should most carcfully resul; for we are pereazuled that he will arise from ite pernsel will new idsass, which will induct him into a noore rational graction in regraxid to muny as suffring fernate, who may have placed her hoaldi ia his hands.

Wes congratulate the author on this his hist prodnction, and the paliglacs on the cyectlent minnuer in which dicir duidss have been discharged,




Wo havo axmmed this litto work, and then it ome whoh anombld bo in tho hamds of overy modient stadont. Wo think that tho author has dono in tho publieation of this volume, a valuable servive to every sthdent of modivine, who atter a camethl stady of it, must beemo direoted into tho proper mode of examining the ousos in tho wardson' an hospita, nad white it thas simplifles his methed
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la the commenemont of the work, the author सives a symamatio tatho of the varions disenews, as adopted in the systou of masology or dassithation of dom, propowed and omployed by Dr. Wim. لarro tho liogistrar (inemoal, in tho
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Wedo not know a mow valuable work which oond be phood in tho hamen of a whdent: indoed it contains lessons, thom which many a pratising physician might. derive admatage and, perchamer, instrowtion. Wivery stodent, in attondane at an hospital, should possess himedf of a erpy as a guido to his invostigations thero, as well as for the purpose of nystematizing his dinical stadies, and ho shoudd havo its wontents as familiar in his momory ns hoso of a " Dublindisseotor." We most aordially commend this work to the attention of our young friouda in attemdanoo at tho hospitals, assuring them that they will nover regrot tho small outhay demanded for its pareluse.

## PERISCOPIC DEPARTMENT.

## MEDIOLNE.

## MSTORY OF TIE OHOLERA AT MONTRRAL.

## To the Ebtitor of the Boston Medical and Surgical Journal.

Sm, Some time ago I npplied to my flend A. F. llowaks, M.D., of Montron for cortaln information respeotiug the Cholom Asphysia as it has vecurred in that dity, and hare lately received from him a rary ampla and intorosting roply. It is anbmitted ontirely to your judguent, whether tho following abbrevintion of the matorial facts may bo aoceptable to the profession.


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of emigration, and I am of opinion, that the fet of omigrants having beon the first In whom the disease appeared, arose from the peculiar ofreumstance in which they were phaced. The first caso that oceurred in Montroal was that of an Irish emigrant from Cork, whose brother informed me, white visiting the sick man, that only two had beon sick on board during the voyage, both of whom had haded in health. Tha ahip Corricks, which by some is thought to havo brought the diseaso, was from Dublin; and at the timo the cholera commenced, the passengors by that vessel were in a state of quarantine at Grosso lsle, 39 miles below Quebec. The rapinity of its spreading over the whole city, its simultaneous appearanco in diflereat parts of $i$, its athecking thoso who conld have had no commaniention with tho port, and the class first more particularly atm tacked, vix., the French Canadians, form in my estimation subicient ground to repudiate the idea of its having spread from one point, or its having been latroduced by emigrants form Quebe.

- With regard to tho second clanse, I must say there is something not explicablo in the mode of its extension along the great commercinl thoroughfares, unkess we adopt the ideat of infection; but notwithstanding this dificulty, there are facts of a different description, subicient in my mind to warant ho opinion of its propagation having been in some other modo than by infeotion. It may be said the peenliar circumstances of the emigrants can account for this-theirsuflerings during the voyage, futigue, want of cleanliness, deficient nourishment, de. ; yet, notwithstanding there is no sumicient oxphanation why the diseaso in Canada, at least, (along the rontes, only mado ita appearance after the arrival of migrants from infeoted placos, unloss we adopt the opinon of its being communicable hy infection. Thinking the facts on the other side far more conclusive, 1 leave the sobject without attempting to solve the problem. Thero is however, nother mode in which to view the subject, and which your query bears upon. Is cholera ever commmicable from ono indivilual to mother in the maner of tyhus? Here, 1 must confess, I have seen renson to ater tho opinion which I originally heid, and which was founded on the writings of European anthors. I was at first firmly persuaded that in no caso could the occurence of cholora in one individual, rosiding in a certain locality, prove a canso of its accossion in anothor; and that if that second individual should bo attacked, the causo would requiro to bo looked for in the circumstances of his locality, independent of the oecurrence of the provious caso, except so far as moral causes might prove operative. Having hal oceasion to seo frequent instances of two, threc, or frequently several individuals being attacked in the samo house, and not simultancously, but succossively, as they became exposed to tho apparent action of morbitic matter, about the sick, I have folt myself obliged to givo up my former opinion; and inow beliavo that under the circumstances in which typhus and other infectious disorders become virnlent, cholera will assume an infeotions oharacter; and the arguments that would tend to cppose the doctrine, would go, I concoive, an equal length in opposition to that of the infectious uature of typhus. The opinion which I havo hatarded above, I know, is not new. I have, howover, ndopted it from personat observation, and 1 have found several of my professional friends brought to similar conclusions.
'The last clause of this query refers to the common sentiment of physicians on the subject of its contagiousness. Here there is the same diversity of opinion as in other phaces: somo physicians altogether deny its contagion; others regard it as eminently contagious; and a third sot, amoug whom I must rank myself, consider it as generally devoid of infectious power, but subject, under circumstances favourablo to it, to acquiro that power.
Soon after writing the preceding remarks, Dr. Holmes received from O. S. Forbes, Esq., Assistant Deputy Commissary General, and President of the Montrenl Citizen's Sanitary Committee, a statement that cholera appeared at Grenville, on the Otinwn, before the arrival of any emigrants. He says, 'its first appearance at Grenville was amongst raftsmen, coming down the Ottawn from above Bytown, and out of the small
rivers communicating with the Othaw below Bytown, amongat whom, and emigrants no connection could have existed. Many of the sufferers died upon the rafte before they renched Grenville.'
- Qucry IV.-Was the cholera preceded by premonitory aymptoms, and what weve their claracter and duration?

Answer.-- In the great majority of inatinces, premonitory symphoms appeared, and perhapes very few cases occurred in which they might not have been detected by close observation. The nymptomes whel appened joremonitory of an athek were varions. A very comonon form was a sudden feeling of faintness, or bense of depression about the pracordia, or andety, attended frequently with: coldiess of the extremitios. Another common fecting was a sensation of atricture in the ephatric region; acmetines with, sometimes without pain. Now and then attacks commenced by cramps in the extremities. Varlous uncasy feelings in the howels announced, in other cabees, an attack, us sense of fulnese, borborygmi, fecillug as if of diarrhosa supurvening, slight pains, \&ce. These generally resulting in some looteness of the bowels. A sense of aickness and vomiting were sometimes the first symptoms ; but by far the most common precorsor of an atack of cholera, wat diarrhes. When attacke oceurred without previous warninger they might generally be traced to some tmprudence on that part of the patlent, producinge disturbance of the digestive organs.
' In regard to what may be considered really jremonitory symptoms of chalera, it deserves congideration, that during the prevalence of the ephidemie a variety of anomalous symptomatarise from nervous agitation and fear of the cornplaint; and some discrimbnation is reguired to abcertain whether certain feelinga are really part of the dizense, for premonitory syuptoms mast certainly les looked upon as the incipient diseants Iteelf.'
Dr. Holmen then very justly adverts to a prevailiag error of regarding every affection of the digentive organa, during the epidemic, as premonitory of cheicra, or an constitatm Ing that diserace in fts incipient state ; but misupprehends the import of some of my own remarks, in my publiehed letter on the subject of 'Premenitory pymptoms.' As my opinion, however, is diatinetly explained in the lethers wheh were subsequently publinded, I will now only suy, that I never combldered any combination of symptoms, in what 1 regard the local stage of the diacase, as indicating conclatively an appronching development of the constitutional affection. Sitil, the particular combinations to which I specifically alluded, were so frequently antecedent, that when they didexist in that relation I bad litule doubt of a common predixposing ciause in many instances ; bit that in all erases the disease was 'local till the general development, and that the preraonitory symptoms were rather the exciting cause, than an integral gart of the constitutional affection.' Very many, if not all, of the symptoms which I denorninated 'premonttory' in complance with common usage, were often found, as at all other times, to occur without any connection with a predisposition to cholers; yet when existing in the combinations which I indicated, they rarely failed, when aeglected, to become the exciting caure of the mallgnant disease.

Query V.-What was your trealment of premonitory symptoms, and were they boon subdued?

To this enquiry Dr. Holmes replics that his treatment was determined by the naturg of the symptomb-reatraining diarrhosa by moderate quantities of opium, more or legs modified by arnall quantities of ipecac., calomel, camphor, or aromutic apirit of ammonia, and subsequently exhibiting either castor oil, Epsom salts, or tart. potass and rhubarb.

In reply to the latter clause of the query, he says that 'in nearly all cases, the means indicated were sufficient to remove the symptome in a very short time.'

Query VI.-What were the usual bymptoms that distinguished the stage of asphyzia or collapse?

Answer,- Coldness, more or less marked, of the extremities cspecially, and frequently of the whole burface; often, though not alwayb, accompanied by a clammy and co-
pious exudation ; the tongue is cold, and the breath also becomes so; a blucish tiage more or less deep of the skin, sometimes confined to the extremities (ospecially affecting the nails and fingers) and the palpebre, sometimes diffused over the whole aurface. A shriveling of the skin, of the fingers, hands and feet, caused by a shrinking of the parts adjacent, by which the skin falls into folds or becomes loose, as in a limb maccrated for some time. A remarkable sinking of the eyes, probably from the same cause, and Which, attended by the dark areola around them, gives an expression to the countenance at once anouncing the disoase. Pulse small, weak, and scarcely percentible; though commonly something like an undulatory ribration, even at the wrist, can be perceired till near the approach of death. When sulficiently distinct, it was too rapid to be counted, and has been frequestly made abovo 160 in the minute. The respiration is often not at all affected; at other times is oppressed, obliging the patient to relieve himself by long-drawn inspirations, and causing him to complain of an indescribable and agonizing feeling within the chest. It is this feeling which apparently gives rise to another marked symptom of the second stage, aud one of the most certainly mortal signs, a constant jactitation or change of posture, even when the head becomes so much affected as to divest the sufferer of apparent consciousness.
'The head is frequently scarcely at all nffected, no headache, and no aberration of intellect; at other times, stupor and lethargy, often proceeding to complete coma. No urine is secreted ; often no desire of micturition is expressed, but frequently a feeling like strangury is perceived.
'Such are the principal symptoms of the stage of collapse, as I have seen them in Montreal. These rary however considerably in degree ; in some fatal cases the degree of coldness is by no means great, and it is not uncommon to find an apparent effort to raliy previous to death, the hands and extremities becoming warmer. The degree of blueness varics very much, from a slight tinge perceptible only under the nails, to a deep purple affecting not only the fingers, but colouring erery feature, and giving an appearance which I canuot better describe than by comparing it to a sketch taken on a white surface by a crayon of indigo. It frequently happened that the patient, instead of becoming more blue as he approached his end, absolutely recovered in a great measure his natural colour, and the blueness did by no means remain always after death, as might hare been expected. When the collapse set in, the more violent symptoms commonly abated, and a patient would lie for hours without romiting or purging or cramps, giving fallacious hopes to his friends.'
Query VII.-Did the subjects of asphyxinted cholera manifest an indifference to their condition, and did this indifference exist during the premonitory stages? How also was the mind affected during the advanced stages of the discase?
The experience of Dr. Holmes in regard to the apathy of the patient did not correspond with ours in New York, and with that of physicians generally. He found the subjects of this disease 'ready to grasp at everything that promised a chance of safety. The latter inquiry is answered in his reply to query VI.
Query VIII.-What treatment did you find most useful after asphyxia had supervened?
Answer.-'I refer you to the reply to query $X$.
Query LX.-What proportion do you believe may have recorered after the stage of asphyxia had become fully developed?

Answer.- 'The proportion of recoveries from the second stage I cannot fix accurately. Much will depend in such arerages on the symptoms which are allowed to characterize this stage. If by the second stage, or of collapse, is meant only that condition in which the patient is quite cold and blueish in his extremities, pulseless, with shrivelled and clammy skin and sunken eyes, very few indeed have I seen rally from it. Some cases undoubtedly have. If cases not quite so far gone are included under this second stage, the recoveries will be proportionately more numerous; and as it is difficult to fix a line where the patient may be said to have fallen into this stage, the proportion will vary according to the idea of the practitioner.'

Query X.-What benefit has arieen from the transfusion of ealt and water?-what from bloodletting? - what from calomel?-what from opium ?-what from canphor?and what from internal stimulants after asphyxin?
Answer.-'Regarding these questions as having reference only to the stage of collapse, I would refer you to the enclused statements publiahed by Dr. Stevenson and myeclf in relation to the effects of transfusion. Of the six patienta therein enumerated, five died. The most interesting of these canes, Mrs. T., lived cight days, but finally expired with symptoms of oppressed brain. Subseguent experience in six or yeven more cases has not proved the method leneficial, notwithatanding the astonishing effects produced by it in the firat instance. None of hese cases survived many hours; and out of the twelve or thirteen cases, in which I was concerned, but one is now alive. Trangfusion has been tried by other practitioners in this city, with the same wonderful appearruces of amendment, but the same fatal tormination in all the cases. I bave understood that similar results attended its ase in Quebec.

- Dloodletting.-In the stage of collapse I fomd venesection neither to do good nos harm, for the simple reason that no blood, or a very small fuantity only could be obtaineti. In the caseg in which I tried it where collapes was only setting in, I invariably found it hurtful, and consider it beneficial only where the circulation is still sufficiently vigorous to allow the blood to flow with some force. Whenever the pulse has begun to flag, I think it does harm ; and this is generally the case, when choleraic diarrhou has continued some time. I recollect one case of diarrhesa without pain, stools extremely frequent and of a watery colour, in which I bled largely, and the patient recovered; though whether other remedies were appled I cannot le anre, as the jatient did not return. The blood exhibited in this case as decided a buffy cont as in pleurisy. The cases of cholera in which 1 have found bloolletting of moat utility, were those in which the incursion of the disease was marked with vichent cramps or spasms about the precordia and stomach, and where the patient was seen a short time after the attack.
${ }^{6}$ Calonel I have tried throughout the whole epidemic; but it was not till after some time, and after 1 had seen the inutility of other modes, that I came to place my chicf reliance on this remedy. I was led to employ calomel nearly te the exclusion of all other remedies, from experience of its benefit in children affected with cholera, in whors under the use of stimulants, I hal been uniformly unsuccessful. From this want of success, I was induced to revert to the practice I have followed for several years in infantile cholera-that of giving this medicine in moderate doses, frequently repeated; and finding it of utility, I finally omitted all other means, and increased the doses considerally. From the almost uniform success of this plan in children, when not applied too late, I extended it to adults, shd abandoning all fear of its effects in increasing the alvine discharges, I have administered it in large and repeated doses without any corrector. The largest quantity I have given in any one case was three drachms and a balf in twenty-four hours; a portion of which, however, was rejected from the stomach. This patient, though not collapsed, yet from his advanced age of seventy-eight yeara, was considered as past all hope. He has, however, recovered, and the mercurial affection of the mouth has been very trifing.
' Opium.-In collapsed cases I have seen no good effect from this remedy; and though I have frequently given it in small doses to correct the pargative action of calomel, I have become more and more averse to its employment at such times. In more recent cases, to control the rorniting, it may be usefully employed; and as an injection with starch, it may be employed to moderate the diarhoea, but is only an auxiliary to more efficient means.
' Camphor.-Of this medicine I have made no trial.'
Slimulants.-Dr. H. employed the most active of this class of remedies at the irruption of the epidemic ; but from their constant failure, and other opportunities of knowledge, he was led to abandon them. In regard to charcoal; which acquired so much
ceiebrity in Canada, Dr. H. supposes, from his observation of its effects, that natrirsi was wholly entitled to the credit.
Query NI.-What do you consider the proximate cause or mature of the disease?
Answer--'As my idens on this point are either borrowed, or entirely hypothetical I shall not nttempt to answer the fuestion?

To be continued.

DIPITHERIA ; ITS HISTORY, CAUSES, SYMPTOMS, DLAGNOSIS, PROGNUSIE; AND TREATMENT:

By mames Wynne, M.D.
The earliest medical records contain accounts of a disease which prevailed in Egept, Syria, and other parts of the East, having many of the characteristics of diphtherin. Aretaus, among the ancient writers, gives the mostaccurntedescriptions of this disease, and clearly identifies that which he witnessed with the present affection. Expidemics of this disease prevailed in Iome, a. d. 380 ; in Hollnad, in 1337; at Paris, 1576 ; nt Naples, $1618-19$; at Kingston, Jamaica, 1036; at Boston, 1736 ; nt New York, 17\%0. It was not until it appeared at Tours in 1818, that it received the name diphtheria from Bretonneau. From that period to the present it has prevailed extensively in Franco, England, and the United States, and often as at Albany, N. Y., with great fatality. The first death from diphtheria, reported to the oflice of the City luspector in Now York, occurred on the 20th of Febrwary, 1859, in the practice of Dr. Mixwell. The residence of the child, who was three and a half years old, was in $38 t h$ St., near 5 th Arenue. The second death oceurred at Manhattanville, on the 25th of February. On the same day a third fatal case was reported from Stantonstreet: on the 5th of March, the fourth ease was reported from Vesey street; on the 10 th of March, the fifth from the lower end of 2Sth street; on the 23 rd of March, the sixth from Grand street, near the East River; and on the 2sth of March, the seventh from Varick street.

During the month of April, three deaths were reported; in May, three, in Tunc, two ; in July, two; in August, four; in September, five; in October, nino; in November, seren; and in December, ten. The whole number of denths for 1859, was 53 ; of which, 30 rere males and 23 females. During the present year, 1860 , the number of fatal cases has considerably increased, and the prevalence of the disease, as reported at the rarious Dispensaries, has largely augmented. From the 1st to 28 th January, 1860, fourteen deaths were reported; for the week ending February 4th, ten deaths; for that ending the llth, twelve denths; weok ending 18th, ten deaths; for week endiug 25th, fourteen deaths; for week ending 3rd March, nineteen deaths; for week ending 10 th, nine deaths; for week ending 17 th, thirteen deaths.

Previous to the report of the cases above alluded to, some deaths from diphtheria were returned to the City Inspector, last were reported under the head of Croup. The number of cases included in the category, it is not possible to determine; but it may be fairly inferred, that they were not aumerous. During the latter part of 1858, and the early part of 1859, a remarkable tendency to affections of the mucous membrane, especially of the throat, was observed, and this became so general as to constitute an important element in the medical min's daily practice. Nor was this confined to any particular part of the city, or class of persons, but seemed to pervade alike the habitations of the opulant, and the confined, ill ventilated apartments of the poor. As yet, horrever, no diphtheria had been observed, and it was not until about the month of March, that medical practitioners here and there, especially among the poor, observed a thin pellicular covering over the tousils, interspersed here and there with white star-like specks; which cover the whole of the tonsils and extend over the other soft parts of the throat into the larynx on the one side and the nares on the other. This film-like substance could be easily removed with the, sponge: in its earlier stages, but became
dense and closely adherent as the disease progressed. This disposition to laryngeal affections was noticed in many other places., The progress of the disease in France, as traced by Guersant, leaves room for the most lively apprehension as to its future in the United States, and seems to demand of medical men the most careful atudy of its phenomena, and mode of treatment. Moat practitioners who have any experience in the discase, agree in the opinion that it is one with which they are not at all familiar, and that it now appears among them for the first time. The writer has conversed with a number of eminent practitioners in New Xork and elsewhere, who have been engaged in the active daties of their profession for a period varying from a quarter to half a century, and with here and there an exception, they have declared the disease unknown to them. The inference is fair, that if these gentlemen, whose position in the medical world is undonbted, have not met with the disease, it could not have prevailed in this country during the last fifty years.

The experience in France, England, and the United States, goes to ehow that the discase, like most epidenica, is largely dependant upen a depraved condition of the atmosphere. "Zymotic disease," says Dr. Hart, "is mostly bred by poverty out of uncleanliness; and diphtheria follows a general law of what may be called the pathogenesis of aymotic poisons. In this respect it takes up its abode by preference in in the hovel of the poor, where the stagnant and pent op air recks with animal effluvia-where human beings and domestic animals "pig" together; aboveall-and this is the centre to which all sanitary precautions should tend-where the poisons cess-pool and the unflusbed privy taint the air with subtle effluvia that seize their victims by the throat, and bring death with fonl touch." These remarks are forcibly sustained by the prevalence of the disease at the present time in New York. Dr. Jacoli informed the Academy of Nedicine, at its meeting on January 18th, that 122 cases had been reported on the books of the Canal Street Dispensary on occurring within the year, while many members of the Acaderny engaged in a fashionable practice had not met with a single case. It is not, however, confined alone to this class of patienta, but occasionally shows itself under circomstances apparently least favourable for its development, and among these was the child of the secretary of the Academy, who unfortunately became a victim to this malady. It is but just to remark that at the other Diapensaries the disease had not presented itself in the same numbers, as in that under the charge of Dr. Jacobi; and in some, but very few cases were observed, amid a large amount of other diseases. This might be accounted for either, by supposing that it had become localised as it progressed, or that cases were reported as diphtheria at one dispensary, which were not considcred so at another.

The case of the 75th Regiment of Infantry of France, furnishes a remarkable example of the local effect of the discase. This regiment, which had been located in three separate garrisons at Bourdeaux, Angouleme, and Rochefort, was ordered to rendezvous at Avignon. The three batallions were engaged in a fatiguing march during the month of April, May, and June, and reached Avignon in July, where they were placed in a part of the ancient Palace of the Popes. From the 14th of August to the 31st of October, 1853, the regiment was nearly disabled by an attack of diphtheria. The effective force of the regiment consisted of 1,686 , men, of whom 200 were attacked as follows: of


Daring this attack a battery of artillery stationed at Avignon entirely escaped, and ${ }^{-1}$ with the exception of a few isolated cases among the inhabitants of the town, the dis ease was exclusively confined to the 75 th regiment.

- In considering the causes of diphtheria, the writer touches the question of contagion,
and emoludes that the appearmeo of tho disense at yatoms and remoto pars of the Amerk

 dearly ostablish the her that tes lutrodnotion into overy leoaty where it has appored is not dae to coutagion, The author is hedined to the helieft that umber ontatu farourablo conditions, ater belng introduced, it is suseopthe of tranmisslon by con-
 by Trobsson, and just issum, it is stated; "It appors to wis incoutestatho that the
 uals with thase th of diphtherta was one of the canses of tho dowelopment of the mabatr."

 performod at the lummary, the operabon of tachootomy upon a negro womat, who was simking fom opdemio Mphtheria. From onsly ehildhood bo hat shown a peombiar suserpibilly to idiopatho poisons. He nover atombed a chse of sourlot fover, that ho
 peor creature, he apparently, at least, theated the poison, and tho next day emplane of soreties about his throat. That night he hat a sovere chill. The mest montug the membenons diphtherin was manithst. Folhay and Suthrday woto days or intonso agony, Traohotony furnished soma rellef, bat ho then on Monday:
 pathology, complimations, and prognosis; and concluted with a constomation of tha rations methods of treatment.
[As tho present paper of Dr. Wgane is silent as regats tho syuptoms, wo quote these from Dr. Shates essay on Diphtherit, whieh reveived the Fiske fimd prizo lant yeur--En. IS. A. J.]
"Two primeipal torms of the disense axist, the mild and tho serero.
a The mild tom is usually precedod by more or hess feres, by some lose at appotio, a slight dithenty in deglutifion, with perhaps, somo discomfort atout the bateos. The tougue presents a thick whitish com, On examination at the rery outsot of the dise
 slighty swollen and of the same red has. In a short time, fronerally from 13 to 30 hous ater the attack, upon one tonsil and somotimes on both, wro seet disthet whito patoles of exmation of hase membrane. Those soon extend ever tho uvala, and posterior whll of the pharym. The axmbition adheres more or less firmly to he mbeont mucous surface, and canot be casily removed. In a fow cases, the exadmion remama contined to tho tonsils, nud neither grows black nor protwhes. The surromadiag nutcois membram is swollen and projecting. The protid and sub-maxillary ghmels aro not much swollen. 'line durntion of the mild form of the disense, is from 6 to 9 or 10 days.
"In the severe form, the disense is ushered in by intonse hemudho, hot pungent skin, and rapid feeble paso; there is great difienlty in degtutition, and tho respitation is mach hurried. The tongue is covered by a thick, dity brownish cont. On exmmantion of the throat, tho tonsils aro foum enormously swollom, and covored with a thiok ash coloured mombram, which has atso axtended to tho urala, and to the posturior walls of the pharynx, and nut unfrequently giras out a fetid odour. Unloss arrestod by treatment, all the symptoms increase in soverity, the respiration becomes much oppressed; there is a burking congh, and a change in the roico, which becomos honse and indistinot; the deghutition becomes so paintul, that children roftse to swallow evon liquits; tho saliva dribbles from the corners of the month, and an acrid disoharge flows from the mares. The glands of the neek aro greatly swollen and harder. The pationt is restless to an extremo degreo, turning about, and then sinking into a somicomatose condition. These eases when they prove fatal, as is the genorml rule, tormi-
nate either by rapid prostration of the vital powers, of by in extension of the dipherLlic mombrane into the air passage."

 of morhld action, upert which the formations of the membrane depende; and 2d, To
 botly local and general tratment.


 moda, sesmalchlonde of from, and hydrorhioric atid.

 mopioyed vary beariy to the strengeth of the dhube ath of the shops, of considerably peduced theirengith, depetudent upon the suverty or mildness of the atheck. The beat

 ihe hrosh forward with the right until the fatiges are reached; when these parts of the




 Atreagth, or tho oftern at the onset of the diserase, esuechally if the symptoms are not

 momentarily ageravatal by tom local appleation, wheh is not unfeguently followed

 with a fow drops of blood apon dee surfice formenty occupisd by the astmbrane.
When this does occur the application may be renewed directiy apout the surfage of the plami, In order ko arrest the almost invariable disposition of the mombrane to peoted
 towarde or futo the pharyne, the diffentty in making fogal applications beemene yrealy enhanced, but the proctitioner should aot hevinate for far of inficting emporary pain from thoronglily sxploring and covering the parts atiected whoth the solition of hydrochloric ach, for the parpore of effectity this, it is often neesesary to phace bite
 lower jaw fimply at the same time, by which messins a view of liwe whole fueces may be ohtalnod, and an opportunity afforded of mating a thorongh afplication of tise local remedy.

Nitrute of tilver has been warmly recommended by Trousseau, Guersant, and TalLeix, in France, and was the application almont univeranily resorted win Ehgland at the commencement of the epidenic in that country. The nenal mode of using nitrate of silver in England was in molution, Dr. Kingeland advized a solution of Legrains in an ounce of disalled water as of more ovall than a milder one. The mode of its uste resentiea that of the hydrochloric ach. When the locel application of aitrate of silver is made in a aolid form, care should be taken that it does not alip from the holder or break, is in such an event fitmight fallinto the atomach. Such an accident actually happened to is. Gucrant; fortumacly however, the stomach repeted it: but thia might not al way ocenr; and few medical men would be willing to take go hazardowe a risk. Dr. Hauneur, of Austria"considera nitrate of silver as the very beat tocal applica-
 drachm, in an ounce of water. Subequent experionce did not confirm the grod opia-
ion entertained for nitrate of silver among the English practitioners, and many who were at first loud in its praises came to disuse it altogether. A substitnte for this was found in the sesquichloride of iron, which is recommended by Dr. Rankin as being very efficacious in its effect upon the false membrane. He advises to use it in the form of a gargle of the strength of two drachms to eight ounces of water to be applied to the throat by means of a brush.

In the United States, opinion appears to be divided as to the best local application. Dr. Blake of Sacramento, has found the greatest benefit resulting from an application of strong hydrochloric acid; a view in which he is sustained by Dr. Bynum and Dr. Thomas, both of whom have had much experience in the treatment of the disease. Prof. Comegys, of Cincinnati, is in the habit of applying nitrate of silver, either in substance or strong solution in water. Sometimes when the ulcerations are deep he touches them with strong nitric acid by means of a brush. In some cases he has employed with considerable benefit inhalations of tannic acid disolved in sulphuric ether applied by means of a cloth wetted with it to the mouth. The formula is

> B Tannic Acid f. 3 ij.
> Sulph. Ether f. $\mathrm{Z}_{3}$ j. M.

Dr. Jacobi, of New York, who, as physician of the Canal Street Dispensary which treats a large number of German children, has had a very large experience, is not disposed to place much reliance on local applications, and confines them to an injection of o solution of chlorate of potash or chlorate of soda, when the running from the nose is excessive or offensive.
Alum, chlorlde of lime, and calomel are sometimes recommended. When their use is deemed advisible, they may be applied by dipping a brush or the finger into a dry powder, and carrying it directly to the affected part.

When there is a considearable accumulation in the nares, and behind the velum, the debris and foul secretions may be removed, and much temporary relief obtained, by an injection in infusion of chamomile with a few drops of creasote, which may be best effected by a laryngeal syringe. The syringe of Dr. Warren of Boston anwers a very good purpose for injecting fluid either into the nares or below ths epiglottis. It, however, is liable to the objection that it is likely to produce irritation by coming into contact with the irritable portion exactly at the opening of the glottis, which is found by the researches of Prof. HoracejGreen to be the seat of sensibility instead of the epiglottis, as has heretofore been supposed. The common glass syringe, with either a curved extremity or a straight one, dependent upon the part to be reached, answers all ordinary purposes, and posesses the advantage of being easily obtained at the apothecaries', and is of slight cost. When a local application either of hydrochloric acid or a solution of nitrate of silver is intended to be applied below the epiglotis, the best mode is to introduce a gum elastic catheter into the larynx, and inject through it the fluid, by means of a glass syringe, placed at the upper extremity of the catheter. This operation, which requires some dexterity, is effected in the following manner:-An assistant fixes the head of the patient while the tongue is depressed by the operator, until a full view of the epiglottis is obtained. The catheter, is then passed gently down until it reaches the epiglottis, over which it is passed downwards and forwards, directly into the laryax to the point intended to be reached by the injection. Great care should be taken that the injection be not of too great strength at first. For correcting the feetor of the secretions, the chloride of sodium, in the proportion of one drachm, to six ounces of water, may be used with much benefit. Dr. Ranking suggests; on the supposition of the presence of some vegetable parasite, the usual sulphurous acid and hyposulphite of soda, in the form of a saturated solution. "The powder of the latter," he adds, "in destroying the fungoid growth of favus, as well as the oidium which invests the vine, I have myself experienced, and I strongly recommend it, provided the vegetable origin of diphtheria be confirmed by further observations."

Much relief is often afforded by inhalation, especially after the second or third day
of the attack. An excellent means of fumigation is to pour boiling water upon the catnip, or the leaves of any similar plant, with the addition of a little vinegar, and to allow the patient to inhale the fumes, either by enclosing the head under a blanket or by applying the mouth to a tube connected with a close vessel containing the materials from which the vapor is generated. The immediate effect of fumigation is extremely grateful to the patient. Dr. Gordon Buck advises the addition of Labarraque's solution of chloride of sodium, in successive portions of a teaspoonful each, to the liquid used for fumigation. Mr. C. F. Holston recommends the inhalation of boiling water to Which has been added a teaspoonful of chlorinated lime.
General Treatment.-The general treatment must be regulated by the type of the disease. Shortly after the appearence of M. Bretonneau's treatise, a great variety of treatment was recommended by different practitioners, all, however, with a view to arrest inflammatory action : leeches to the neck, counter-irritation especially by means of blisters, active mercurialization, and purgative medicines furnished the basis of most all the plans advised; calomel especially obtained great celebrity, and was at one time considered as the most effective remedy in arresting the progress of the diseaseIt was first prescribed by Dr. Conolly, who was residing at Tours, at the appearance of the disease, and was so efficient in his hands in minute doses, as speedily to find favour with the French practitioners. But whatever may may have been the success attendant upon its administration at the time, it is now found to require great caution in its administration. Blisters are contra-indicated; and so far from furnishing relief, they tend to increase the danger, by assuming an unhealthy, and frequently sloughy appearance. The bites of leeches often give rise to passive bleeding, extremely difficult to arrest, which greatly reduces the already exhausted energies of the patient. Every thing in fact, which tends to lower the powers of life, or induce prostration, should be sedulously avoided in the type of disease which at present prevails, and certainly differs from that for which Bretonneau, Conolly, and other medical men in France, at that period, were called upon to prescribe.
The type of the disease, as it now prevails, exhibits a tendency to extreme prostration from the very beginning, and requires a tonic treatment to sustain the patient. The most effectual method of accomplishing this is by means of quinine, and various preparations of iron and steel, stimulants in the form of brandy, milk punch, and wine Whey, and a generous diet consisting of beaf tea, Liebig's extract from meat, and a strong decoction of coffee. Snlph. quinine may be administered in grain doses conjoined to two grains of the sulph. of iron, repeated as often as the symptoms appear to require, usually every three hours. It is well to alternate this remedy, with doses of potassa, which appears to exercise a beneficial influence upon the disease of the mouth and throat- Chlorate of Potassa may be given in doses of from five to ten grains in distilled water or a bitter infusion. Prof. Baker of New York advises the chlorate of potassa in doses from 3 ss . to 3 j . The chlorate of soda has been recommended with the same intention, but does not appear to be equally efficacious with the chlorate of potass.

The tincture of the sesquichloride of iron has met with much favour among the English practitioners as a tonic. Dr. Ranking gives it the preference to other tonics, although he frankly admits, that it matters but little which of this class of medicines is used, provided the strength of the patient be sustained. "Personally," he remarks, "I give the preference to the tincture of the sesquichloride of iron, not only from the analogy of its unquestionable usefuiness in the more asthenic forms of erysipelas, but also from the positive evidence of its benefit derived from the experience of several gentlemen in the country, amongst whom I may mention Mr. Dix, of Smallburgh, Mr. Prentice, of North Waltham, and Mr. Cowels, of Stalham, each of whom has had unusual epportanities of testing its advantages." The tincture of the sesquichloride of iron may be administered in doses of from eight to sixteen drops in a little water.

Whatever may be the success or ultimate failure of this remedy, its first introduction
into the troatment of this disense is undonbedty deo to Professor Thoman V. Hestop, of Queen's Oolleger, Birminghans, who, atter repented trials in his awn practiee, heroght it


 ctute of the sesquichbride of irm arery two, theo or four homs, mat have somjohed a


 gargles of the same acid. This, with the constant adminstration of stimulants, bentoten, milk and jollies, las comstituted my tevatuent: and I mpent here, what I have atronty statedin other guarters, that sinse 1 bame beome aware of the veluo wh this medi-
 istroing a combination of chlomate of potass:a and the sesquichtoride of irom, is: whom-

 is dillinalty in administoring modicine, the bulk may bo redneod lye omithing the water Altogether, and inereasing at phasure tho amome of syrup. The sheeces which has attembed the use of this remedy in Enghad, warrats a envefill trial of its merits at the hands of praditioners in the duited States.

Where the disturbance of the socetions appears to imdicate the use of moremtial preperations, mad they are not positiroly contrandicnted by the deprosem state at the palient, eatomet may bo manistered in doses of ono-tenthof a grain, mixed wihnsugar and phaced dry upon the bongue. Dr, Bigeten has found this remedy valumbla in the diseaso as it provalsat laris, and Mr Thompen was gually successtul with it at hameoston, Rugland. Dr. Auderson of New lork, and Dr. Brigs of Riehumed, lave employed conomei with marked benotit. Li is a question whon eabomed and chborato of potasant are administored congointly, whether the chects of potassa do not entiroly annul those of the ealomet. Dr. ligetow, an the resalt of some very rocen observations, says that. although it may retard or prevent the spectio efteots on the sativary ghands, it does not in any way modify its action upon the secretions. It may be well, howevor, when the effect of the entomet is importam, to intormit tho use of chtorate of potassa for twent-fom hours, or to alternate the ase of these medicines at wide intervals botween the administration of the two.

Emeties aro servicable when the portions of the detached membrane are lodged in the throat withont being expelled, or wher the disense is making rapid progress, and threntens to invalo the laryax. The action of tho emetic in this instamee is frequently to detach the pellicho and dislotge the pseado-membrano. At the samo time that the membrane is thes ejected, the throat is relioved of the foul seeretions which might otherwise bo receired into tho stomach, to the great detriment of the pmient.

But whaterer treatment may be adopted, the fact should nevor be lost sight of that the system is labouring under the inthence of a powerfil and most depressing poison, and it matters but little so fire as the constitutional treatment is concerned, whether this poison be at first local, and afterwards disseminated through the systom, or is from tho begianing of a genoral chatacter and incidentally devoloped in tho macoms membranes of the air passagos. In the performance of her functions in the elimimation of this poison mature requires to bo sustained, not only by the free use of the tonics, already indicated, but by a liberal allowance of the most concentrated and nutritious articlos of diet, in which boaften, milk, egge, brandy, wine, and coffee, stand prominent. When there is difficulty in swallowing, not only theso articles of diet, but quinine may bo introduced by means of injection, a resort to which should not bo deferred until it is impossible to administer medicines by the mouth; but whenevor the difliculty of swallowing becomes at all a prominent feature in the complaint, injections should not bo administered in greater quantities than wo ounces at a time, and should be often repoat-
od, otherwing they will give rite to a docal Irlation in the rectum, which will provent their restuntion.

 follow, hut a recurrence to thes ntack. Theg diverse often reatperars after an fiterval of noveral wecks, capecially whore the pritiont in expeged to those depressing influence:
 car Timer.

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 advectats to that of an alversary of the Gherorente thesry.







 digestion of vepetable makrials, becatus it way proved to ise a physiological protest. Hermurd commened the experimenta which led him to dixeover that sugar cian be formed in the aysum upen a purcly animal dies. After an atkentive examination of the circumanaces connected with Dindeter, bernard wan led wo infor that there nuat be aomathing bexider amylaceong mather, momething unk nown wo chomists and physiohogisty, which gave rise to the production of atgar ia the hedy. Thia inference way drawn from the fact that a diabotio pations under a mized dieg pabed a laryer quantity of gugar than could besteconted for by the atarch and mugar ingeeted, and also that atibough Baccharing and amylaceoun mater was abstaiace from, btill sugar dia not coass to appear in the urine.

In his first experiment, animaly wers fed upon a ptrongly ancobatine dist, with a view of ancertaining how far the nugar conk be traced in the circulstion after ite absorption into the branches of the portal vein. Bis reante lein to the conclusion that it might be detected a far an hetween the liver and the right zide of the heart. Btarch sate sugar were now excluded with the expectation of obtaining a negative result: $w$ his great atomiblment bugar was foond as before. He next fed a dog for aorse time on a purely animal det thereby excluding the reception of augar from any external soures, Its life was guddenly destroyed. The abdomen opened abd the portal vein ligatned, the vessel below the ligature became diaterded with bleod; the blood in the diatended vebel was teated, but gave no reaction, proving the absence of gugar. The blow from the hepatic vein on the other aide of the liver was found bighly ingregnated with augar, as was alao the liver tiesue tuelf. Nothing certainly seems more concluzivo ; there is no sugar in the blood going to the liver, there is abundanco in that becajing from it, an also in the tinsuc of the organ itgelf. This gatablighed the theory which hat given to the liver a glueo-genic function.

These experimenta of Eernard proved beyond a doubt that sugar can be fortaed in ths
animal system without boing dorived direoty from the food. But tho gront polnt of interest as regards physiology, and also the pathology of diabotes, is whether this production is roally taking place during lifo, or loes this examination as performod by Lernard represent a post-mortom condition. In 1855, hormard annonnced that tho formation of sugar in the liver might tako place ator death. Ilo passed a stroan of water through the vessels of a portion of liver, all the sugar which impregmated tho tissue was washed out, and no reatotion oecurrod with the coppur and formentation tests. He phaced it astde, nad after the lapo of some time, upon a ro-oxamination, atrong indieation of tho presence of sagar was obtainet. Still the soureo of the sugar remained a mystery ; it must bo in the liver, madmust edusist of something not ensily taken up by witer.

In 1857 this sugar-forming material was isolated, and as sughe formaton was supposed to bo its physiologienl destimation, it was callod by bermat the Ghaco-ganio mattor of the liver. The glaco-genic theury was considered to be unatered by thoso discoveries except in so far as it was rendered more complete by the dotection of a recognisable source for the animal glucose. My researchos lend mo to look upon the term gluco-gonio as appliad to this substanco as objectionablo on physiologient grounds. It is true that aftor death and under eertain morbil conditions, it is a sugur-forming substance, but under natura ciremmstances, it does not seem intonded for the production of sugar. From its ehomical resemblance to a vegetable produet, it has heen onlled Amyloid substance. This term might lead to the conftision of this gubtaneo with a body of a difierent nature met with in thesystem which has had long sinco the same name. In speaking of it mysulf I have enlled it Hepmine simply from its connection with 'tho liver. Its situation is in the hepatic cells, it is not prosent aftur death from tisease, but is always so under healthy circumstances, hence its presence is due to tho axereise of the normal functional netivity of the livor. Hepmtino is in its chemient properties alliod to starch but more closely so to doxtrine. Whon pure it is colourless, tasteless, and without odor, presenting ouly an anorphons srmular mpoarance under the mioroscope. It is largely soluble in water, a highly concoutrated solution is transparent, on dilution the fluid becomes milky. It is insoluble in aleohol and ghaciat avetic reda, unatiected at boiling heat by entustic potash. It is devoid of nitrogen being eomposed of $\mathrm{O}_{12} \mathrm{II}_{12} \mathrm{O}_{12}$. With lodine it produces a deep wine red color, but its most important property is its susceptibility of transformation into sugar. At a moderatoly elorated temperature, if brought in contact with some animal products as saliva, blood, livar tissue, pancreatic juice, \&e., the characteristic indications or glacoso aro discerniblu.
(Tobe continued)

## MEDICAT JURISPRUDENCL.

## A DEATH-BED WHLL.

The law of tostamentary disposition, which allows a testator on his death-bed to dispose of the whole of his estate and eflects, has recuived a very strong illustration in the case of "Potts against Potts," heard before Sir Orosswell Oresswell, in the Court of Probate, on the 20 th inst. There the Plaintiff, Mes. Elizabeth lotts, propounded the will of her Iatu husband, John Narney Potts, who died on the 23rd Fubruary lastat Oak Villa, Syephord's bush, at the ago of 36 , having three hours before his death executed his will in these words:-"This is the last will and testament of mo, John Narney Potts. I give and boqueath unto Elizaboth Rattay all my property, real and porsomal, excopt five hundred pounds a-year, which I give and bequeath unto my cousin, Rowloy llill." The defendants-the mother, the stepfather and the sistor of the deceased-npposed
probate of the will, on the ground that it was not duly executed; that it was not the will of the decensed ; that the deceaged was not of sound mind at the time of the execution ; and that it was procured by the undue influence of the plaintiff. In eupport of the will, Mr. Day, a surgeon at Acton, was examined, and after deposing to various proliminary facts, stated that he saw the deceased about 12 o'clock at night of the $22 n d$ February, and then recommended that Dr. Buld should be sent for; that Dr. Dudd arrived at two in the morning; that the deceasod had then shown no symptoms of failure of in mory or understanding, and hat stated his firm conviction that he should die; that the deceased asked Dr. Budd whether it was likely he should recover, and that thes Doctor's answer clearly showed that he did not think the deceased would recover. Tho deceased then said, "I have made no will, can I do it now? I cen sign it, if I cannot write it." Ilat Dr. Budd then asked him questions about his property and his family, and the deceased told him what reiations he hat, and when Dr. Ludd asked "what ho wished to leave to his mother and sisiers," the deceased replied, "Nothing." "What," gaid the Doctor, "will you not leave anything to your eister?" to which be answered, "No." The question way repeated by Dr. Budd, when the deceaseg said "I am quite nenaible." Dr. Budd also asked what property he had, and the deceased deseribed it, and in reply to the question, "To whom do you leave your property ?" the deceased turned to his wife and gaid, "T"o Lizaic," Dr. Budd then proceeded to write out the will, speaking aloud the worde as he wrote them. Dr. Budd akked Mrs. Poths her name, and she having stated it, he wrote "Elizabeth." It was then hinted to Dr. Bodd that there was a report that she was not married. Dr. Budd asked "are you married ?" and Mrs. Potta replied "I was married in Scotland, bit I cannot prove that now;" the deceased then said "Put Elizabeth Rathay." The deceased then said he would leave f:500 a-year to his cousin Rowley. When tho will was finished, Dr. Budd read it over and said, "is that what you wish ?" and the deceased replied "It is." The will was then signed and attested, and the decensed died three hours afterwards, having remained perfectly sensible up to the moment of his death. Dr. Budd's evidence was as follows; "I arrived at Mr. Pote's residence about half-past two in the morning of the 23rd February !ast. He looked very ill, as if he would not live long; Mrs. Potts was lying by his side on the hed dressed, with her arm under his neek. I put a few questions to him which he answered. I gave him stimulants, as the heart's action was very fechle. Mrs. Potts asked me whether there was any hope of his recovery; I said I was afraid very slight hopes. Iasked whother his relations were aware of his state, and who they were, and ahe named them, and stated that ahe had sent for them all. Mr. Potte fecquently said he hoped his cousin Rowley would come before he died. The deceased expressed his desire to make his will; and to ascertain whether his mind was sufficiently clear, I putseveral questions to him about his family and his property, which he answered." Dr. Jadd then gave a similar account as Mr. Day, of the manner in which the will was drawn up and exceuted, and concluded his evidence by stating that "he had not the slightest doubt that tho deceused was perfectly sensible, and quite competent to execute his will." On the conclusion of Dr. Budd's evidence, the counsel for the defendant said his client would consent to a verdict for the plaintiff, Sir Cresswell Cresswell then said that the conusel for the defendants had taken a very froper courso and that no one who had heard Dr. Budd's evidence and who knew that gentleman's position, would entertain a doubt that the will was executed in a proper manner, and that the testator was perfectly competent to make a will. The verdict was then entered for the plaintiff on all the issucs and the defendants were condemned in costs.-Medical Tines and Guzette.

Ralph Samuels, of Liverpool, watch-case maker, effected a policy of assurance on his own life with the Mutual Assurance Company for $\mathbf{E} 500$, and, becoming indebted to Bis


 ed, amb, tho othoo having requestod to be harasted with an nowoun of his shatin, de.









 thand the polley shond bo voht, nad that the deoosed thd lat hot dhe by his owa hand.



 fuemben for the jury was whether De. Gohet had or hat not, at the the the decoasod












 the journeg, which only extonded over a formight. On his return Mr. Samels beome
 takon to a lumatio asylum. Dr. Oohen, howerer, omothod his servess both to Mr.
 be respoasible. Subsequenty Mrs Smamets returaed to his reshdoneo at Wrariene, where br. Cohen wote to him soverat letoes domadhes parmont of his dam, and thorenpon Mr, Samuels gave him tho poliey in guestion as a seourty for has aocomit.
 Samurls' death, It also nppored that a portion of the elaim was for sixteon roars' medieal attendane upon the workmen of the decoased, and that Dr. Gohen had, upon
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The new act for preventing the aduteration of articles of fool and drink, has beon printed, but, before it can be of publie service, "Aunlysts" must be appointed. In the
















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 fore, to provide polsom in deses suflhe to ench a llying mass, Cumaidering that one
 dred weifeht, wotid anfice of procure instant death, Dr. Ehristisun eafenated that two conces, or 4 and draps, would be a sumeicint dosc for a whate of forky feet and forty

 ducing the profoon inte the burbs of the harporm fo suchat manaer that any strain upon the



 hatchway with a boat bouk and promptly spmpling resuratives, hat his conschounces was alowly restored, and his life siaved, The whip was well migh cerustod tretoreen
 despateched, alan armed with poisoned barpoons. (on this ofechssiog the Besers, Young did not consult Dr. Chefitixon, and be deces not poseess secturate information; but From accounts recoived through Dr, Patherson, of toith, and through Dr, Andrew Heming, of this atud other vessels, he is disposed to belluve, that the procecting was athended with a consiberable sinere of anceres. Twenty-four whates were killed by iate Ghurendon and tix lost; she returned with in larger cargo than any whaler baul brought in for many geara. The report of an eye-witatss, of the first harpoon ased
in this ressel states, that when the whale was struck she "sounded"-that is dived perpendieularly downward to a great depit, and prosently reappenred, flonting on the surface and dead. The effects are described as being tremendous, but the men were afraid of cutting up their capture. Various rumors of similar and suceessfal attempts have from time to time reached home, bearing a considerable degree of circumstantinlity but no ascertaned results exist.-Dublin Medical Press.

## TOBACCO IN CAMP AND COLLEGE.

The deepening conviction that the lubitual use of tobnceo is a souree of physienal and mental degeneration has stendily obtained a firmer hold of the public mind since the thorough exposition of tho opinions of the medical profession upon it. Certain statistical results have beon obtained at the Eeole Polytechaique and other public schools and colleges, attesting that tho smokers were all the dunces, and the intellectual as well as the physieal development of the students was checked by the use of tobacco. The Minister of Public Instruction has published a circular addressed to the directors of Schools and colleges in France forbidding the use of tobacco aud cigars by the students. Tho Minister of lublic Instruction and the lrofet of the Seine are said to be "unceasing in their exertions to remedy the evil." As l'aris none contains 29,000 pupils the edict applies to a large population. It would be well could the authoritios of the English colleges and univarsities decrea the samo abstinence for all students in residence or otherwise under control. There are two chasses of men in Eughand who at this moment are addicted to frightul excess in tobncco-smoking, and sulfer the eril consequences in depression, debility, hebetude, and nervonsness. These aro stadents at college, and oficers in barrack, garrison and camp. The later especially smoke incessuntly, begiming early in the day and contimuing until the night has fallen. The duluess of barmek life, which incites to the excess, is deepened by the habitual depression which tobacco in the end produces. The depressed and debilitated condition of numbers of these young men, whe, from such dopots as the camp at Aldershot, visit hondon, has long been the subject of observation, anongst the surgeons who are called to treat their comphants, and lave the opportunity of comparing their nervous furce with the standard of civil life--Lancet. .

Our contemporary does not say so much, but we conclade from his argument that medical studonts are not exempted from the consequences here enumerated when they err in the same way. Other cases equally potent may be in operation to produce the symptoms of physical prostration obserred in certain cases; but " the pipe" withits accompaniments is doing its work slowly and surely.-Dublin Medical Times.

Horticulturists are in the habit of using tobacco-swoke for the purpose of destroying the aphides upon their phats, can it be, that smokers employ the fumes for a like purpose, as far as they themselves are concorned ?-Ed. B. A.J.

## T135 afititisl gincrician fonmal.

MONTREAL, FEBRUARY, 1861.

## TIE MORTALITY OF THE CITY OF MONTREAL DURLNG THE YEAR 1800.

No more important document has appeared lately in the columno of the local press, than what was published in those of the Montreal JIersild on the 9th of January last, viz. a record of the mortality of this city during the year just closed, and the discases, as far as comizable. The document reflects the highest credit on the Editor of that praper, as none but those accastomed to work of this nature can appreciate the amount of labour expeuded in its preparation. But if this document proves anything, it demonstrates that the vital statistics of a city or country should be in charge of a person thoroughly acquainted with a knowledge of the manner of conducting such investigations. Indeed a government can acquit itsolf of no higher duty than an invertigation ints, the causes of the deaths of the preople over whosen it is placed. The highest prerogative of every government is to preserve and profect life, and unless the causes indicative of mortality become recognized, all efforts to diminish it will be fruitless. Hence there can be no surer method than an inquiry into the causes of death in particular localities. If a majority of the diseases of which death is the result be of local origin, as in the instance of endemic diseases, our enquiries become at once directed into the proper channel; and upon the principle, sublata causa tollitur offectus, preventive or mitigating measures become properly directed or guided.

About ten years ago our City Council instructed the clerks of the different burial grounds in the town to obtain from the friends of those whom they interred the names of the diseases from which they died. The Council had previously issued biank forms to the physicians of the city to be filled up with like information. We regret to say that although for several years the causes of mortality wore faithfully given, the clerk of one of the cemeteries refused any longer to prepare his weekly reports unless remunerated for his trouble. It is certainly hard to expect that people will work for nothing; nevertheless great credit was due to the clerks of the several cemeteries for the great care which they had taken to secure, as far as possible, a cortect:zegistration of the diseases, imperfect though their work confessedly was. A like system now obtains, and
imperfeot though the returns yot are, the clerks of tho Roman Catholio and Protestant cometeries deserve the thanks of the oitizung fir their woekly romorts. The imperfections are the finult of the system, not of the agents, who, wo toel satisfied, would make the roturns, as far as they aro conoorned, as acomato as possible. But as an example of inaceuracy, it is only requisito to point to tho 1375 deaths recorded umder the heading of "debility." In truth, never witil tho question of vital statistics is takon up by the Govermment, and mado not a devennial, but a daily, woekly, monthly, and smand business, mader tho direotion of a compotent person, as is now doue in Enghat and in tha continentad comentries of Ruropos, will or an auything like acomay be obtaned. Tha precision with which the vital statistios of Great Britain aro managed rethoots the highest oredit upon Dr. Farre, tho able Direotor Goneral, and his roports invariably furnish the basis upon which samitary roforms are continually being earriod out. Wo think that our own Govermment sould saredy owenpy itself with niny moro importat subject. As far, howover, as our own city is coneornod, the mattor is one desurving of the highest and most earnest eonsiteration of tho City Comeil, as the dovelopmont of endemio disenses in partioular loonlities would bu its best guide to the atoption of propersanitary measures, whethor thase nasume the form of' drainge or otherwiso. A glamen at the tablo of disenses furnished by the Herahl, will show the onomons prepunderamen of disenses of this typo.

Unfertunately the table supplied by the Merold does not furnish us with the nges at death. This is mooh to ho regretted, as it would tend to prove, what wo have always maintained the the result of our own observation, that the chidef mortality in this city is mot with under the age of 5 yenrs. In fhat in 1846 wo published a papere in the old series of this jourma on tha mortality of this dity for that your, which showed that the deaths at that ago and under wero not less than 6.f.S per cont, an astounding condition of matters, but one which will bo sustained by the experience and observation of overy physician. It is not our present purpose to enunire into the eanses of suah an emormous and undue infantile mortality; still, howover if is a fact, and wo may recur to it on some futuro oegasion; but we must record our regret that, for the parpeses of eompurison, tho ages at death have not been detailed.

The following is a condensation of the table as furnished by our oity contempornry:

| Number of intermonts in the Rommn Catholic Cometery.... stal |  |  |  |
| :---: | :---: | :---: | :---: |
| " " " | lrotestant | " | 611 |
| " " " | Jowish | * | 2 |
| Number of males. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 16.198 |  |  |  |
| " females. |  |  | 15.6 |
|  |  |  |  |
| diseasis. |  |  |  |
| Disenses of the lungs . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 450 |  |  |  |
| Eudemic and contagious diseasos. |  |  | 513 |
| Diseases of the nerrous system. |  |  | 170 |
| Dropsy, cancer, and diseases of uncertain seat |  |  | 215 |
| Diseases of stomach and digostive organs. |  |  | 130 |
| Violence, privation, \&c. |  |  | 54 |
| Old age............. |  |  | $79$ |

Disenses of the feart and blond-vessels. ..... 69
Chiddirth and diseases of the uterus, \&e ..... 75
Rheumalism and diserges of the bones ..... 15
Dischege of the kidneya ..... 6
Celluhar dizeases of the akia ..... 14
Camser not ipecified (dehility) ..... 1375

In the list from which the foregoing is condensed, we find deathe enumerated from the following discasers-Whoopingecough, 87 ; Scarlatina; 38 ; Typhus fever; 16; Variola, 143 ; Rubeola, 30; Croup, 78; Bronchilis and Pneumonia, 40; Consumption, 290; Croup, 76; and from pulmonary disonses of all kinds Consumption, Oroup, Inflammation, Pleurisy, Bronchitis, EB5, a ratio immensely bencath that of Jondon.

As already remarked, we may take an early opportunity of returning to this sulject.

## JHE MEDICAL SCHOOLS OF CANADA.

We have endenvoured to axcertain from reliable sourcas tho numbers of students in attendances at the soveral medical schools of this Provinee, und their numbers stand rolatively thus, so far as answers have been returned to our en-quiries:-

```
Toronks School of Medichne-Toronto,................................
Victorit Colleg" (Rolph's School)"
Quen's College-Ringstom,..................................
University of Laval-Quchec,..................................... }2
University of McGill College-Montreal,..................... }12
Montreal Behool of Medicine (french Canadfan)-Montreal,.... 23
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THE MEDIGAL GOCHETY OF TOMONTO.
We are pleased to observe that stepa have been taken to organize a Modical Socicty in formon. A mecting was lutely held in the Temperange Hill, at which, on motion, Dr. Hodder wab galled to the chair, and Dr. Bull appointed secretary. The following resolution was then unanimously proposed and adopted.
"That in the opinion of this merting a medical society similar to those already in existence in other comintres, having for its olject to unite the members of the profession in this city, the promotion of good-will and friendly intercourse, the diseussion of and fres interchange of opinion on, all subjects brought before its nembers, is whyly desirablo, and would much add to our importanee as well as much individual benefit."

A committec was appinied to draft a constitution and bylaw, to be seldmit. ted to an adjourned mecting. We wish the Socicty all sucees.

## THE DOTANICAL SOOIETY OY OANADA.

This Society met in the Chemistry Cluss Hom of Qucen's College on Eriday evening, 11th instant-Rev. Principal Lecitch, D. D., in the chair There was a targe attendance of Tellows and Subscribers. A Large number of names were addod to the list of Fellows and Subseriberb.

Letters, expressing a warm interest in the Society's proceedings were read from numerous botanists in Canada and the United States.

The meeting then proceeded to the election of office bearers, when the following were elected :

President-Rev. Principal Leitch, D.D.
Vice-Presidents-Rev. Professor Williamson, LL.D., and Professor Fowler.
Council-Dr. Litchfield, Dr. Yates, M. Flanagan, Wm. Ferguson, J. J. Burrowes, H. Skinner, George Baxter, Dr. Dickson, Dr. Marshall, J. Brown, Thos. Briggs, jr., Ed. Berry, Dr. Lavell, Prof. Weir, W. G. Hinds, John Duff, Dr. Octavius Yates, Dr. O'Sullivan, Dr. Trousdale, Aug. Thibodo, J. Creighton.

Secretary-Professor Lawson.
Treasurer-Andrew Drummond, Montreal Bank.
Curators-A. T. Drummond, jr., B.A., J. McCammon, A. O'Reilly, Wm. Ferguson, jr. Librarian-R. V. Rogers.
The committee appointed at last meeting to suggest a list of botanists suitable for election as honorary and corresponding members presented their Report, in accordance with which the following honorary members were elected, viz:-

## honorary members-canadian (limited to Four.)

J. W. Dawson, LL.D., Principal of McGill College, Montreal.

William Hicks, F.L.S., F.B.S.E., Professor of Natural History, Toronto University. Sir W. E. Logan, F.R.S., Director of the Geological Survey of Canada.
british (limited to six.)
J. H. Balfour, A.M., M.D., F.R.S., L. \& E., Professor of Medicine and Botany in the Edinburgh University.
R. C. Grenville, LL.D., Edinburgh.

Sir Wm. J. Hooker, K.H., D.C L., Oson., LL.D., F.R.S., L. \& E., Director of the Royal tiardens, Kew.

John Lindley, Ph.D., F.R.S., F.L.S.
J, T. Syme, F.L.S., Lecturer on Botany, London.
Dr. W. Lauder Lindsay, F.L.S.
oorresponding memberg-oolonlal (himitrd to fotr.)
Dr. Muller, Government Botanist, Melbourne.
Mr. Thwaites, Botanic Garden, Peradenia, Ceylon.

> AMERICAN, U.S., (LIMIIED TO FOUR.)

Prof. Geo. Blackie, A.M., M.D., University of Nashville.
Prof. Asa Gray, M.D., Harvard University.
Prof. John Torrey, M.D., State Assayer, New York.
foreign (limithd to six.)
Math. N. Blytt, Prof., Christiania, Norway.
Prof. Alph. DeCandolle, Geneva.
Fred. Traugott Kutzing, M.D., Prof., Nordhausen.
M. N. Pringsheim, Roy. Pr. Ac., Berlin.

Dr. Ludovic R. Tulasne, Paris.
Corresponding members were also elected.
Numerous exceedingly valuable donations to the Society's Library were an nounced, the chief contributors having been Dr. W. L. Lindsay, F.L.S, Perth, and Herr Johan Nicolaus Hoage, Erfurt, Prussia. Some new Botanical works were laid on the table, and several botanical specimens exhibited, as well as photographs of " nature prints of ferns" which we suspect to be graptolites or manganesiate
of Iron in chrystallized form, as occasionally met with in the old red sandstone formation, if we mistake not.

An address was delivered by the President and the following papers were afterwards read :

1. On Cornus florida, L. By Professor Blackie, University of Nashville, Tennessee. Read by the Rev. Prof. Williamson, LL.D. Specimens were exhibited.
2. On the Botany of the Red River Settlement, and the Old Red River Trail. By John C. Schultz. Specimens of the plants were exhibited.
3. Contributions to the Local Flora of Kingston. By A. T. Drummoud, B. A.

The above mentioned papers will be published.
The Society's next meeting will be held on the second Friday of February, at the usual hour-half-past seven o'clock, P.M.

We do most sincerely trust that the Society will long maintain the vigour Which it now exhibits.

## MONTREAL GENERAL HOSPITAL.

The following is the Report of the Montreal General Hospital for the quarter ending 31st January, 1861:-

## $\mathrm{S}_{\mathrm{Ex}}$

| Patients remaining from last quarter,. 69 admitted during the present quarter,.............. 183 | Died during the quarter,............ ${ }_{82}^{12}$ <br>  |
| :---: | :---: |
| 252 | 252 |
| In-door Patients. | Out-door Patients. |
| Males,........................... 110 | Males,............................ 680 |
| Females, ......................... 73 | Females, ........................... 810 |
| 183 | 1490 |

## DISEASES.



Of the deaths there were, from

| $A$ | Prans: |
| :---: | :---: |
| Cariss:............................... | P'momonin, ..... |
| Corchritis.............................. 1 | V'ariola, |
| Fohr. lyphoid, . . . . . . . . . . . . . . . . . 1 |  |
| Fractura Comp. Comminuta,......... ${ }^{\text {a }}$ | Toln, . . . . . . . . . . . . . . . . . . . . . . . . 13 |
| Hepmitis,............................ 1 |  |


Mojor:-Amputation of arm, 1 : ditto of forearm, $1 ;$ ditto of l'onis, 1 ; dito of Gevat
 evelat, 2 ; Excision of trala, 1 ; Hydroceles tuppol, 3. Total, 17.

Fructuros trated.-Indoor--Simplo, 4 ; Compound, 1: Comainuted, 1; Compomad Comminuted, 3 ; Cutdor,-Simple, 1. Total, 10.
 pus, 1. Total, 6.
 dressod, se; lssue, 1 ; Sotons, 4 ; Cupping, b; Vonesection, 3 ; llypodrmic lujections, 14; Yaccinations, 1s. Total, 329.
By Dr. Beddy, Ligature of internal thomorrheids, 2 .
Physicians attembing during the quarter, Drs. MeCahmmand Jones.

TUE KINGSTON HUSPITAL.
We have hefore us a repert of the working of this lustitution for the past year. The report says, without specifying the namer of the medical ollicers, that "the llospital, in the exoelleney of its appointments and management, is a eredit to Kingston and to Camada. Its funaneial and general management are in the hands of a Board of Governors, selected by the Crown for their social standing, intelligence and philanthrop. The four medien attendants are among the loading practitiones of the eity. There is a resident llouse Surgeon, who is an madergraduate in Medicine. His period of residence is for one gear, when a new appointment is made. The prosent houso smereon is Mr. Alfred Oliver, of whom the medieal officers and the governors speak in the highest terms, both as to his natural and adeuired abilities, and his untemitting and judieious attendance to the neessities of the patients." Mo him our readers are indebted for the following carefully prepared:-
medioal report fon 1860.

| SEx- |  | Moderate drinkers,............. . . . . . 102 |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Males | 256 | Temperate, . . . . . . . . . . . . . . . . . . . . it |  |  |
| Females,. . . . . . . . . . . . . . . . . . . . . . 16.5 |  | Died luring the year,................ 20 |  |  |
| Of Medical cases, | 229 |  |  |  |
| Of Surgical eases, | 155 |  |  |  |
| Of Lying-in cases. | ..... 24 |  |  |  |
| Of 324 adults there were, Drunkards,.............................. 10 n |  |  |  |  |
| Among the admissions were, from |  |  |  |  |
| Abscess:.............. ${ }^{\text {d }}$ | Bura | .... 5 | Cholern, Sporadic, |  |
| Aneurism,............ 1 | Cancer, . | .... 3 | Concussion,.. |  |
| Asthma, .............. 1 | Childbed, | $\ldots 3$ | Consumption, ....... |  |
| Bronchitis,............ 4 | Chorea,. |  | Debility, ............ |  |


| Deliritim Trumena,..... 18 | Erympeina,.............. 1. |  | Ptaralysin, |
| :---: | :---: | :---: | :---: |
| Dintrins:a, ............ 2 | Hever, Jntermitent,.... : |  | Philebitit, . . . . . . . . . . . 1 |
| Dischea amd injuries of | " Hembittent,...... 7 |  | Polypite, |
| thejotnten, . . . . . . . 11 | " Henrlit, ....... ; |  | Vreursonith, ........... 5 |
| Sor.jecaliar tos woment. . 10 | " Typhoid, ....... 2 |  | l'restissmt.. . . . . . . . . . . . 16 |
| Do. sud injurics of thes | Fintuln, ............... 1 |  | Purpurs, |
| - Ey¢............. 21 | Fracturs nat dimenters of |  | theumatimin, . . . . . . . . 19 |
| Do. of brain $\ldots$. . . . . . . 7 |  |  | Huall Pox,.............. 1 |
| Do. of Abdominal Via* | Pronthitr, .............. 4 |  | Tumor, . . . . . . . . . . . . J |
| cers, . . . . . . . . . . . It | Ifsmarrhoidy, ......... 2 |  | Viter, ................. 21 |
| Do. of the heart, . . . . ${ }^{\text {a }}$ | Hernia ............... 1 |  |  |
| Dropeieq,............... 2 | Influctu\%n, . . . . . . . . . . . 12 |  | Whosoping coutph,..... 1 |
| Dyatentery, ........... b | Ineminitg . . . . . . . . . . . 2 |  | Woumis, Incserataly con- |
| Dyapepria ............ 1 | Nenralyin, . . . . . . . . . 8 |  | luacd, incised, sul |
| Epiler的, ............ is |  |  | punctured........ 25 |
| Of the deathe there vocre, from |  |  |  |
| Ancurimm, |  | Purpura | 1 |
| brought in lsying, | + 5 | Starlelfay | , |
| Oancer, | - 1 | Still-brers, | 8 |
| Conkumplion, | . 5 | Buicidre, | - 1 |
| Diarame of the Brain,.. | . 1 | 万tetanua, | 1 |
| " of the hesart, | . 2 |  |  |
| " of the liver,.. | . 1 | Total, | 29 |

## EFPERVESOENT OATHATE OF MAGNESA.

We have received from Messrs. Lamplough \& Campbell, a specinern of this newly prepared preparation of theires. It supplics a manifest desederatum in the varicty of the Magnesian salts, as it ia not se subject, th deterioration from exprosure to moisture, as the ordinary effervescing Citrats in, while at the eame time the wolution is rendered more prefect. We ganmet doubt that it will prove a mild but efficacious lazative, far more pleasant than the ordinary Sesdlitz powder; and is in reality an clegant, compond, reflocting in its mode of prequr ration great credit on the pharmacentic capabilities of that firm.

## THE YORKVILLE POISONING CASE.

We give insertion to the following distressing case of prisoning from strysmine, as a matter of duty, although we have nothing to advanes in favsur of the frarty implicated in the transaction. Independently of the crime for which the guilty party will receive punishment, which was unguestionably due to the grossest carelensness, or the condition in which he probably was at the time of his compounding the preseription, sufficient cvidences was elicited at the trial to demonstrate that he had been for years living in open breach of the medical laws of Upper Canada, in unlicensed practice of medicine. Although nominally an apothecary, he yet did not scruple to attend as a medical practitioner upron such patients as chose to employ him, cither in his own or their houses.

We cannot avoid a refiection upon the nature of the defence set up by the prisoner's advocate. It was certainly one sui generis. What does Mr. Carneron know of the nature of the examinations cither undergone at the present day by candidates for their license to practice, or that was undergone thirty years ago at the different Halls or Colleges in Great Britain? Of them all, that at the

Apothecaries' Hall in those days was regarded as a shame, and favouritiam had more to do with success, than learning. Happily these things are now altered; but to compare the examinations at any of the Boards of Upper Canada, with those which have obtained at Apothecaries' Hall, and to assert the superior strictness of the latter, was an exhibition on this point of supreme ignorance, only matched by the vulgar flippancy with which he alluded to our profession, as a profession, in the persons of several members of it then present. We could hardly have expected this from Mr. Cameron. As a profession we can afford to pity the questionable taste which such insinuations would indicate on the part of the party making them.

## TORONTO WINTER ASSIZES.

Before the Hon. Mr. Justice McLean.
Friday, Feb. 1.
Rigmand C. Hoare, druggist, Yorkville, was placed in the dock to answer a charge of manslaughter in carelessly administering poison in medicine, in consequence of which a little boy named Franklin Alfred Taylor lost his life. The Court-room was crowded during the progress of the trial, which lasted from half-past nine in the morning till four o'clock in the afternoon.

Mr. Dempsey prosecuted on behalf of the Crown, and Mr. M. C. Cameron appeared for the defence.
The first witness called was-
Jonn Burgess, who said :-I live on Yonge-street, near Yorkville, and next door to Mr. and Mrs. Taylor, the parents of deceased. On the night of the 18th of January, between twelve and one o'clock, Mrs. Taylor called upon me to go for a doctor. She informed me her child was in convulsions, and wished me to go for Dr. Hoare. I went to Dr. Hoare's bouse and knocked at his door. He looked out at the window and asked me what I wanted. I told him my errand, and he said be would come down immediately to the house. I went back to Mr. Taylor's and found the boy in great agony. He was raising his chest and throwing his hands backward. His eyes rolled in his head. The fatber had hold of the child and was holding him in his arms in bed. The child drew up his limbs frequently and then stretched them out again. I do not think the child lived fifteen minutes after my return from Dr. Hoare's. The father said frequently to the child, "Is Franky sick ?" to which the child would reply, "Yes, very sick!" Upon seeing the condition of the child I again went for Dr. Hoare. I told him that the child was in fits, and to bring something with him that would relieve the child. He told me to get some hot water ready. I returned to the house and Mrs. Taylor got the hot water ready. When Dr. Hoare reached the house the child was dead. The child appeared to be in great pain and agony. He was between four and five years of age. I saw the child running about in the afternoon, and he appeared lively and healthy.

Wh. Tarlor, the father of the deceased, said :-My son, had be lived, would have been five years of age on the 28th May next. He was very healthy; I have never known him to be an hour sick, with the exception of last spring, when he had the measles. On the 17 th January he passed a worm, and my wife went to Dr. Hoare's for some medicine; between six and seven in the evening of that day, and got some powders: One of these powders was given to the child about five minutes to twelve o'clock. It was administered in blackberry jam. My wife brought four powders in all from Dr. Hoare's. Abcut fifteen minutes after the deceased took the medicine I heard him scream, as if he was in great pain. My wife got up and took the child in her arms; hè clung to her as if in pain. She placed him in my arms, got a light, and ran off to call Mrs. Barton. The child appeared to be in convulsions, and only lived fifteen or tiventy minutes after
he took the medicine. He was perfectly conscious, and when asked where the pain was he replied in his belly. Mr. Burgess went for Dr. Hoare, but he did not arrive till after the child was dead. My wife gave me the three powders, and I handed them at the inquest to Dr. Scott, the coroner. The defendant asked when he came to the house, where the powders where; but did not ask to have them given to him.
To Mr. Cameron.-One of my children died in 1854, but not suddenly. My wife told me that the child had a short convulsive fit on the Sunday previous to his death. We had got castor oil at Dr. Hoare's, and, on one occasion, when Dr. Philbrick was attending my wife, the medicine prescribed was got at Dr. Hoare's, Dr. Philbrick told me to get the medicine there.
Margaret Taylor, mother of the child, wid:-My deceased child passed a worm on the evening before his death, and I went to D.: Hoare's and asked for "Cherokee worm powder." He said that he had none in stock, and that he was in the habit of giving children a powder of his own preparation. He made up four powders, and directed me to give one to the child every five hours, to be followed by a dose of castor oil. I did not administer the powder on my return, but waited till 12 o'clock, as I would be more likely to be awake five hours after to give him the second. I mixed the powder in blackberry jam. I intended giving my little girl one of the powders, but waited to see how the one I had given to my little boy would operate. In about a quarter of an hour after my son took the powder he commenced to scream and said that he had great pain in his stomach. I took him up and put him in my bed. When I picked him up he put his arms round me and complained of pain in his stomach. I gave him to my husband and went to call Mrs. Barton. The child was conscious. He had a convulsion fit on Sunday for a short time. He moved his mouth but was unable to speak.

To Mr. Cameron.-It was after dark when 1 went for the powders. The gas was lighted in the store. Dr. Hoare took the medicine out of three different bottles. A young man came in while I was there. I cannot tell where the bottles were standing from which he took the medicine. I have got oil and pills in Mfr. Hoare's store before. I have lived 15. or 18 months in the neighbourbood. Dr. Hoare has lived there all that time. I have never seen any one attending the shop but himself.

Dr. Scort said.-I officiated as Coroner at the inquest on the body. At the inquest Mr. Hoare made the followiag voluntary atatement, and which I reduced to writing. Mr. Hoare was on oath. He was not accused of anything at the time; and made the statement against the wish of his counsel and my own remonstrance. It is as follows:-
"Righard Coller Hoare, apothecary and druggist-I have no license to practise medicine or surgery in this Province. I hold a diploma as a licentiate from the Apothecaries' Company of London, England. The medicines I prescribed and dispensed for the deceased, Franklin Alfred Taylor, I have frequently ordered on previous occasions ynder similar circumstances with good effects. The contents of the powders dispensed for the deceased were as follows :-"Six grains of Santonine, six grains of Scammony, two grains of Jalapine, with ten or twelve grains of white sugar, divided into four powders, one to be given every five hours, and when all the powders were given to be followed by a full dose of Castor oil. At near one o'clock on the morning of Friday the 18th inst., I was summoned to see the deceased who was alarmingly ill. I waited on the patient as I learned from the messenger that he was in convalsions. Idirected the messenger to have the child placed in a warm bath, and said I would take some medicine with me. On reaching the house I found the child to be dead. The body was warm. I gave instructions to Constable Miller to acquaint Coroner Scott with the circumstances of the child's death, with the view of an inquest being held. I have a dispensary establishment, and none but mys wife has access to my drugs. All the medicines in my store have permanent positions, and are not liable to be disturbed, so much so that I belier, I could go down in the darkness of the night and put my hand on any bottle. I required. I keep poisonous, drugs in my store which are kept separate from the others. Laudanume - Oxalic acid, Strychnine, Tincture of Aconite are all labelled" "poison.". I have no diluted
preparations of any of the foregoing medicines marked as poisons. At the time of the the death of the child, the bottle of Strychnine was on the same shelf as that of the bottle of Santonine, separated by some five or six bottles containing pills and a bottle of Nitrate of silver. I have since removed the bottle to an upper shelf whore it now stands. The bottles now produced contain respectively Santonine and Strychnine, and were the same as those holding these medicines at the death of deceased. The lables have not been altered. I was induced to alter the positions of the bottles on the suggestion of Dr. Berryman."

Witness resumed-After hearing this statement I and jury accompanied by defendant went to the defendant's store to see the position of the bottles in the defendant's store. On our return the defendant did not accompany us, and could not be found that night or the following day. That is the reason the deposition was not signed. (The witness then explained the position of the bottles, and stated that the bottles of strychnine and santonine were on the same shelf separated with some boxes of pills). The defendant stated at the inquest that the bottle of strychnine after the death of the child was removed to a shelf higher up. The bottle containing the strychnine was a small one, and the bottie containing the santonine alarge one. Santonine is in the form of cryatals, and of a yellowish appearance. I have seen it quite white. Strychnine is a white powder, but sometimes crystalline. It is, however, usually in a powdered state. It is always white. The bottles produced are like the bottles from which santonine and strychnine are usually dispensed from druggists' stores. The bottles produced are not those used by the defendant in his store, but bear, I think, nearly the same relative proportions as to size. Mr. Taylor gave me three powders at the inquest. I sealed them up, and gave them to constable Williams to take to the police station. I called at the station and told the sergeant on duty that in the event of any medical gentleman coming to investigate the case, the powders were to be given up to him. I heid the inquest at the request of the child's father. The defendant says in his statement that he sent for me, but the messenger never called.

To Mr. Camenon.-I am not prepared to say that the strychnine at Dr. Hoare's was in the form of crystals.

Mr. Cameron.-Then why did you not bring strychnine in crystals.
Witness.-Because I had'nt it in my possession.
Mr. Cameron.-Would not crystallized strychnine and crystallized santonino bave been more alike than those produced?
Witnass.-Yes. Dr. Hoare, in answer to a question, commenced the statement. I believe that the examination at Apothecaries' Eall, London, is very strict. The prescription which Dr. Hoare made up, had he used santonine, would be good for worms. I could make no objection to it.

Constable Williams proved that he attended the inquest, and received a sealed parcel containing the powders from Dr. Scott, and delivered them to Professor Croft. I received them on the $18 t h$ and delivered them on the 21 st. I took a receipt from Professor Croft.

Dr. Riceardson.-I was called upon to make the post mortem examination upon the body of deceased, by Coroner Scott. I made the examination on the afternoon of the 19th, and completed it on the 22nd. The analyais of the contents of the stomach was made by Professor Croft on the 21st. The body was that of a healthy, well developed boy. I thought the pupils of the eyes were more dilated than they should be. I examined every one of the organs of the body, and found every one of them perfectly healthy. I mean so far as disease is concerned. There were marks of congestion of the brain, and those symptoms which are generally observed in persons who have been poisoned by strychnine. I had no renson to think that deceased uied from natural causes. I observed also that the large sigmoid flexure of the large intestine was greatly distended with flatus. I have never seen this alluded to in any work in which the appearances after poisoning by strychnine are mentioned. Four small worms were found in the in-
testine日. I also observed that the blood had a dark fluid appearance; and presented the usual appearances of poisoning by strychmine. The bladder was full, which is not common. Taylor reports that the bladder has been found full, as on this occasion. Upon removing the stomach and intestines, I put them in a jar, and conveyed thern to Professor Croft for analysis. I was present at the analysis of the stomach, and while Professor Croft was testing the powders. The contents of the stomach were examined on the 21st. The stomach was found to contain strychnine. It was easy of detection, and there seemed to be a large quantity present. There was more than half a grain of strychnine found in one of the powders. There appeared to be more left in the powder. The sixteenth part of a grain has killed a child between two and three years in about twenty-five minutes. Half a grain has been known to kill an adult. The symptoms described were the usual marked symptoms of poisoning by strychnine. I consider that the child died from the effects of poisoning by strychnine. I think the prescription of defendant for worms was, 6 grains of sautonine, 6 grains of scammony, 2 grains of jalapine, with 10 or 12 grains white sugar to be made into four powders, one to be given every five hours, to be followed by a dose of castor oil. I suppose that gtrychnine must have been taken for santonine by Dr. Hoare.

To Mr. Cameron.-I cannot speak as to the importation of strychmine. I have only seen it in the powdered state. I do not dispense medicines, but $I$ am well acquainted with it. It has generally what I would call a "dim" or "dirty" white appearance. Santonine is also a poison in large doses. Santonine is vegetable, and is extracted from a worm sced.

Prof. Cuort said-On the evening of the 21st; I received a small package from Constable Williams, containing three powders, with a request from Coroner Scott to have them analyzed. Dr. Richardson left me the contents of the stomach in a sealed up jar on the night of the 19th. I made a chemical examination of the contenta of the stomach of the late Franklin Alfred Taylor, and of some powders said to have been administered to the deceased. The contents of the stomach were small in quantity, thick and ropy, from the presence of a quantity of mucus and undigested food. The whole was digested with water and a little acetic acid and filtered. The filtered solution, made alkaline by ammonia and shaken with ether; the ethereal solution drawn off and evaporated. The residue was tested for strycknine by means of sulphuric acid and bichromate of potassa. Unmistakeable evidences of the presence of strychnine were obtained. No attempt was made to determine the quantity procured, on account of want of time. One of the powders was digested with alcohol. The alcoholic solution left on evaporation a residue weighing rather more than three grains. The residue was tested with water and left an insoluble resinous substance. The filtered solution was tested with ammonia and ether as in the former case, but owing to want of time the whole of the substance soluble in ether was not extracted. The ethereal solution on evaporation left a residue weighing about half a grain. This residue was proved to be strychnine by the same test as that applied to that extracted from the contents of the stomach, and also by the oxide of manganese test. As before mentioned there was not time to extract from the aqueous solution the whole of the strychnine or other poisonous substance by means of ether; a white substance was left, which on examination proved to be strychnine, or at least to contain a considerable quantity of that substance. The quantity of strychnine from one of the powders if carefully extracted must have been considerably over half a grain. I extracted 14 grain of strychnine from one of the powders. I could have extracted more from the intestines than I did. Strychnine rapidly absorbs, and is found in the tissues. From the quantity found in the stomach, I could not state the quantity administered, as it is rapidly absorbed. There was sufficient found to cause death" "Santonine is almost almajs crystallized. The usual form of strychnine in the drug shops is in a powdered state. It is also found in a crystallized state.

This closed the case for the Crown.
the defence.
Dr. Phlamice, Yorkville, examined by Mr. Cameron, said-I have known the defendant for more than a year; that is all the time he has lived in the village. I identify the diploma from Apothecaries' Hall, London, granted to Richard Coller Hoare, to the effect that he is well qualified to practice as an apothecary. Dr. Hoare is licensed by the Hall to practise in England and Wales. I have ordered Dr. Hoare to make ap prescriptions for myself and family. I believe my patients have had prescriptions made up at his shop. I know nothing about his skill in medicino. I have seen strychnine once in crystals. It was a pure white, and the crystals seemed smaller than the santonine now produced. I have seen santonine perfectly white. A man who has passed the Apothecaries' Hall has a legal right to dispense medicines, although he might not be qualifled to do so. Some examinations for the practice of medicine in Canada are not examinations at all, and are paltry and low. (Laughter.)

To Mr. Dempses-I remember Dr. Hoare on one occasion sent different medicines than those ordered, for a patient of mine. The medicines sent would not have done any harm. They were bitter, and if taken would have made the person sick, instead of giving him an appetite as mas intended. (Laughter.)

To the Court-I decline answering whether he is a person of steady habits.
Re-examined by Mr. Camenon.-I have dealt with Dr. Hoare since the time referred to about sending the wrong medicines to my patient.
Dr. Derayman.-I am professor of materia medica in Victoria College. I have been often in Dr. Hoare's establishment, and hare always found him very accurate in making up prescriptions. I advised bim to change the position of the bottle of strychnine after the first day of the inquest. The strychnine was in a crystallized state. The vials containing strychnine and santonine, produced by Dr. Scott, are disproportionate to those in Dr. Hoare's store. I examined the santonine and strychnine, and they seemed much alike. The case in which the bottles were kept contained a large quantity of poison of various descriptions in bottles; and other medicines. The santonine and strychnine were on the same shelf, and after the accident I suggested their separation.

To Mr. Dempsey.-I had observed the position of the bottles before the death of the child, I did not notice that the strychnine was in a crystallized state until I examined it while the inquest was sitting. Santozine turns yellow on being exposed to light. It is white originally. I cannot swear the strychnine was marked "poison." I think it was not.

To the Court.-I could not have detected strychnine from santonine in Mr. Hoare's shop by candle light.

Mr. Albert Princt, barrister, said:-I reside in Yorkville, and have known the defendant for about a year and a half. I have always dealt with Dr. Hoare for drugs and medicines. I was recommended to deal with him by Dr. Arnoldi. I had every confidence in Dr. Hoare and had no reason to complain of him.

This finished the defence.
Mr. M. C. Cameron, in addressing the jury, made a powerful and touching appeal on behalf of his clicnt. He said he was an old man who had not many years to live, and that the only relative he had on this side the Atlantic was his partner in life, equally aged. He said a solemn responsibility rested on the jury, as in the event of their returning a verdict of guilty, the defendant in the dock might be consigned for life to the penitentiary. The parents of the little one, who had gone to another and a better world, had no animosity against his (Mr. Oameron's) client, and if they had their wish he would be removed from the dock, for they know well that no punishment which he might receive would bring back their little child. In a Christian spirit they forgave him, as they well knew that the death of the child had been the result of accident. He (Mr. Cameron) bad presented the diploma, which had been issued in the year 1830; to defendant, by the Apothecaries' Hall of London. This he had held for thirty years, and it gare him the privilege to dispense medicines in England and Wales. Before he received
this diploma he had to undergo a searching examination-a mach more searching examination than many who were at the present day practising in Canada. It was true he had not, like Dr. Scott and some of the others who were examined to day, a license to kill-(laughter)-his was only to dispense medicine. Mr. Cameron then proceeded to review the evidence at considerable length, and eloquently contended that the case was one which was known in the law as death by misadventure. He cited several cases in support of the view he took of the case, and said he had every confidence in leaving the issue in the hands of the jury.
Mr. Dempgey addressed the jury on behalf of the Crown, and contended that the law held persons like the defendant liable for any mistakes which they might commit. A painful duty devolved upon him to prosecute an aged and respectable-looking man like the defendant, but he was determined to perform that duty to the best of his ability. Mr. Dempsey then quoted a number of English authorities to show that it had beenheid in England that when poison had been administered in a manner similar to that narrated by the witnesses, that the dispensing druggist had been held responsible.
The learned Judar briefly summed up.
The Jury retired to their room. After an absence of about half an hour they returned into Court, and gave in a verdict of "guilty," with a strong recommendation to mercy.

His Lordship said he would give the recommendation of the jury due consideration.
The prisoner was then removed.

## EDITORIAL SUMMARY.

Rape committed during magnetic sleep.-La Presse Médical de Marseilles narrates the case of a girl, aged 18 , who being sick consulted a man who professed to cure diseases by the agency of animal magnetism, visited him daily, and after four months, perceiving that she was pregnant, applied to the police authorities, who handed her over to Dr. Costa, a Director of the School of the Medicine and to Dr. Brognier, an eminent surgeon, for an opinion whether she was pregnarst, the duration of her pregnancy, and if she could be violated in ignorance, under magnetic influences, who confirmed all the facts. This event proves that young girls should be cautious how they consult "electrybiologists" as they term themselves, as they may receive in exchange for their fees more than they hare bargained for.

Suppression of Quacicery in France.-The Paris Correspondent of the London Lancet states that the local societies for the suppression of Quackery in France are at present very octive. The tribunal of Province has lately condemed for illegal exercise of medicine, a somnambulist (an old offender) to the parment of 14 pieces of 10 francs sach, for as many delinquencies, besides costs, and 200 francs damages to the local medical society of the district.

The London Times,-Young medical fledglings, when they cannot get their lucubrations inserted in any of the medical journals, are now in the babit of sending them to the Times, which affords them the necessary space. The editor of that leading political journal has been lately asked by a country gentleman the quantity of Belladonna be should give his child in scarlatina; and in a late number the same journal has given insertion to a somewhat lengthy paper on amputations. What next?

Climate of Pekin.-Sir John Herschell states that in Pekin the winters are on an average about $10^{\circ}$ colder, and the summers $19^{\circ}$ warmer than in London. The annual amount of rain is about $1^{1} \varepsilon$ greater.

Sir Henry Marsh, Bart.-The profession in Dablin is talking aboat erecting a monument, to this late highly esteemed gentleman, and "Merrion square," near his own late residence, is the proposed intended site for it. We consider this a graceful tribute.

Committal of a Midwife for Manslaughter:-Mrs. Webbly attended a Mrs. Lawless in
scoouchement. Rupturo of the utorus occurred with of courso cossation of the phins. To reinduce them sho administered Frgot. The situation of the woman with absenco of the pains alarming the friends, they sent for Mr. Rowton, a surgoon, who immedhately delivered her, but she died a for hours afterwards. A coroner's inguost andan antopsy revealed a rupture of the womb, and the jury returned a verdiet of manshaghter. Tho circumstance occurred at Dudley in England, and when committed for srint tho midwife said with the greatest apathy: "They conld do what they liked with her." The mortality from midwifo practice is so great that we wouder women trust themselves in their hands.

Grime in Neto York--During the year 1860, necorling to the American Medient Times, 56 persons died by the hand of violence. Of this mumber 69 are recordod as homicides, and 57 as suicides, and of the latter 57 , twonty-four effected their purposo by poison obtained of course from the druggista. This able perionical has a sharp article on the subject, and in concluding it, calls tho druggists to severe account.

Death from chlorate of potassx.-This medician has hately been brought forward again as a remedy in tuberculosis. A fital case from its employmont luts lutely ocoured in Bergen, N. J. The physician's namo is not givon, but. it appears that Mr. Tuttle, labouring under phthisis consulted one, who prescribed oight omees! of cherato of potassa to be divided into twelve packages, one of which was to bo tuken daily in a pint of water. The patient took four of tho powlers, when severe ubdominal puins ensued with vomiting, followed by death. A post-mortem exmmination was hell, at a coroner's inquest upon the body of the deceased, by Drs. Booth and Aleot: of Jorscy City. They found the external cont of the stomach in a state of inflammation, the intornal cont yellow, and so soft as to be casily seraped of by tho handlo of a sealpel, lenving the muscular coat bare ; the lungs were diseased, but not to any very eonsidernhlo extont. Dr. Booth stated at the inguest "that ho had known bad effects follow from twenty grains given every three hours."

The Sponge Fishery of the Ottoman Archipclago.-It appenrs that 000 bonts, and 4200 men are now employed in this fishery. The sponge is foumd at an average dopth of thirty fathoms, and a good diver will make from eight to ten dives in a day.

The Cinchona barks.-The incrensing demand for these barks is suggesting additomal means of supply. The Dutch and English governments have imported the new phats, the former into Java, the latter into India, and the results lanve been most encournging. It is stated that already in Javn, the young trees have affordod a roturn of new bark.

Adulleration of Bread with Alum.-On Saturday December 15, five bakers were summoned before Mr. Ingham at the Wandsworth Police Court for unlawfully using alum in the manufacture of their bread. The analyses were made by Dr. Normandy, and the proportions were found to vary from 27 to 80 grains of alum in the quartern lonf. The information was laid under the 5 of Geo. 4, cap. 106. The pemalties inflieted were l .


Poisoning by Opium.-An inquest was held at Aldershot on the boly of Samuel Wiles Hillier, paymaster in the 9th Lancers, who had shot himself. The following is an extract from a letter addressed to a comrade: "I really believe I am poison proof. About ten days ago $I$ took half an ounce of lavdanum, enough to poison $a$ horso. It had no effect on me. After that $I$ took eight grains of opium; again no cffect, except a slight drowsiness. Then four grains of morphin; no effect. I then took five grains of liq. opii. sedativus, with the same result. My last mode of exit is a sure one."Pharmaceutic Journal.

The Etherization Patent.-However derogatory to Dr. C. T. Jackson and Mr. W. T. Morton it may have been, to have patented their discovery of the employment of Ether as an Anæsthetic in surgical operations, the patent, however, after the lapse of fourtoen years expired, and the latter person fyled in the office of the Commissioner of latents lately an application for its renewal, which was very properly rejected. We think that the
rejection and application may be frifly contrased, us showing as much humanity on the one hand as avarice on the other, anavarige which aonght ite gratifiation in human gufferme. Mr. Mortum's name fa connection with Ansethetia whond be haded dowa to pegterity in any thing but a fisourable light.
 under the foregoise tite. It is intended as medium of comuverication lextween natives doctory in governmentemploy, and the native fatifoy, for the haprovement of hedical tand Eurgical knowledge, and for the peneral alleviation of the local diseaven,-am. Jour. Dent. Bcience.

Chloroform in thch,-This remedy is becoming a gentral favourite anouz practitoners.
 cexceseive irrituthility or itchiness af the skin.

The Socestion Movement.-Dr. J. W. Gibine has been aypointed wargeon Gencral of Whr State, and Drs, F. J. Porcher, and S. J. Chelohm, Suryens wo the U. S. Marine Hospital, now held by E. Carchina. We are under the impession that their protesainmal services will not be required.

Ficully of Medicine of Poris,-Thes school still, and dezervedly, retahs itw renomemat. 11 ghetudents bave matriculater there hife bast segento.
 30,000 calves, $1,500,000$ sbeep, and 30,000 wwine, and this indeperitent of all mezat recognised under the nane of poultry, game, lobateres, ogaters, \&o,-Lancel.

 self muder-LJanced.




 putridity, abd loga lise by reaton of the animale haviny died from natural causco. All of it had beensent to the beollers, and destroyed as unft for buasin foed. These cevente


Influence of Pregnancy on Jnsantty,-Dr, Tanuer ia his recent work on he "hizgag and hisedses of Pregraticy," eays that in his experience, fusabty in women is not besee fited by pregnancy, but that in two cases, whech came especially wher hiz whice, all the mortid mental sympobes were agegravated.

The Joclinutizulion of Animale, A paper was read on this subject at m woting of the Eociety of Arts in London, beld on taih Eive, by Mr. E. T. Buckiand. Among other thinge be observed that it was remarkable thas siage the Curistian gra the only
 in 1050, the Mugk or Muscoveduck ; in 1725, the Gold pheasant; and is 1749, the cillver phearant; and that it was most astonishing, that though the world fornishod so large 4 list of animale, we limited our aturntion to about forty thres only. The concturioa of the paper was devoted to a contideration of the acclimatized breedr ad animale of Great Eritain.

Gratuitous Medical Nursing in Austria,-"In the course of the examination invo the abuser in the Hozpital on the Wieden it has come to light that the "Gray Eisters," who at mernbers of the Order of St. Francia of Azsisi, are not allowt to Loard money. had been eariching thernselves at the expense of the patients. Each of the 120 sisterg, - 84 nune, and 42 novices-receives her board atid 200 fr, a year, bat the rations of the patients lave been geatly reduced in quantity and quality, in order that zomething
might:be saved for religious purposes. The evidence given by the medical men proves that: there is one great objection to :the introduction of nuns, if not regular Sisters of Charity into Eospitals. They object to perform for the male sex those duties which are every where required of Hospital Nurses. Some Surgeons once complained to the Imperial Inspector of :Prisons of the great want of cleanliness of the 'Gray Sisters,' who have the management of all the dustrian prisons, and this gentleman replied "if the soul is well, cared for, the state of the body signifies little."—Med. Times.
The -Neapolitan.Haspitals.-" I saw no later than three days since, the dirt on the ground of one of the wards in San Sebastian 'caked' half an inch deep, hard dirt, while the attendants.were washing pots, and kettles, and plates about the beds. That I may be the more precise, it.was the Sala Vittorio Emmanuele. On leaving that Sala I went to enother, and listened to the whispered complaints of a poor fellow who had been shot through the lungs, that he had been robbed frequently, and had not that frequent attendance necessary, as the discharge from his wound was so great. 'I gave the poor fellow, some money at times,' said a lady to me, 'because they are neglected, if they do not give the infirmieri something." 'I was robbed by my infirmieri of a piastre or two which Victor Emmanuel left to me' said the wounded boy; 'get me into a more central place' and I did. I said the surveillance of the Hospitals had been conducted principally if not altogether, by foreigners; some honorable exceptions there have been, but still the rule holds good. English ladies have sacrificed their ease and time, and one has risked her life almost in the battle field, while Neapolitans have for the most part remained at home at ease, apparently indifferent to the sufferings of their brothers.'Times Correspondent.

Toasts.-The formula for drinking healths among the Romans was: "Bone mihi, bene robis, bene amicæ mex, bene omnibus nobis, bene ei qui non invidit mibi, et qui nostro gaudio gaudet." All which is very much like a paraphrase of "Our noble selves."

THE NEW SYDENHAM SOCIETY.
At length three of the volumes of last year published by this Society have come to hand. We think that it is the duty of this Socicty to send its volumes to this country, and have them distributed among its subscribers here, as soon as they issue from the press, and are distributed in England. We have heard several complaints about the tardiness with which Canadian subscribers are supplied with their copies, and we must say, that this disatisfaction is not unfounded, when they are aware that the Year Book, and Frerichs' work on the liver, have reached the United States some months ago. We are informed, moreover, that although a large package of volumes has arrived in this city, yet the imperfect manner in which his orders have been'fulfilled, will render the Honorary Secretary unable to comply with the wishes of some new subscribers who have desired a complete set of all the published volumes. There is some mismanagement in:London, which the Society: would do well to look after.

## BOOKS, \&C., RECEIVED.

Thbrao Therapeia; the heat cure; or the treatment of disease by immersion of the body in heated air ; by Erasmus Wilson, F. R. S., 12 mo. pampt.
A. Hand-book of Hobrital-Practige, or an introduction to the practical study of medicine at the bedside; by Robert D. Lyons, .R. C. C., \&c., Physician to Jervis Street Hospital, Dublin.-New York, S. S. and.W. Wood: Montreal, Dawson and SOD.; 12;mo.pp.; 185.1861.

## From Dr. Fenwick, Honorary Secretary of the New Sydenham Society, the following publications.

A Clinioal Tifattse on Diseabes of tae Liver, by Dr. Freid. Theod. Frerious, \&c., \&c. In two vols., vol. I. London, 1860.
Clinical Memoirs on Abdominal Tcmours and Inlumescence, by the late Dr. Brieht. Reprinted from the Guy's Hospital Reports. London, 1860.
A Year Book of Medicine, Surgery, and their Allied Solenoes, for 1859. London, 1860.

## BIRTHS, MARRTAGES, AND DEATHS.

Births.
In Port Hope, on the 17th January, the wife of Dr. N. C. Curry of a daughter.
At Tweed, on Tuesday, January 22, the wife of Dr. Pomeroy, of a son.
At Hamilton; on the 5th instant, thee wife of Dr, Mackintesh, of a daughter.

## Marriages.

In tbis city, at St. George's Church, by the Rev. Edward Rogers, B.A., Chaplain to the Forces, George Edward Gascoyne, Esq., Staff Assistant Surgeon, only son of George Gascoyne, Esq., of the Hall, Stanwick, Northamptonshire, England, to Clara. Strong, eldest daughter of the late James DeLong, Esq., of San Francisco, California.

At Trinity Church, Simcoe, on the 3rd of January, by the Reverend C. Gannette, Rector of Woodhouse, Harvey John Philpot, Esq., M.R.C.S.L., to Caroline, eldest daughter of James W. Ritchie, Esq., of Simcoe.
In Hamilton, C. W., at Reddin Villa, on the 9th of January, by the Rev. Wm. Ormiston, D.D., Wm. Hamilton Taylor, M.D., of Montreal, House Surgeon to the Montreal General Hospital, (second son of Rev. Wm. Taylor, D.D.,) to Jeannie, only daughter of the late Wm. Henry Taylor, of Drummondville, Niagara Falls, C. W.
At Berthier, on the 15th of January, by the Rev. Mr. Gagnon, C. D. Paradis, Esq., to Marie L. L. V. Moll, eldest daughter of Dr. L. J. Moll, of Berthier.

On the 8th December last, at Chilver's-Cotton Vicarn j e, near London, by the Rev. George Mackie, D.D., lately of Quebec, Dr. Francis Bowen, son of Chief Justice the Hon. Edward Bowen, of Quebec, Canada, to Constantia Caroline, second daughter of the late Robert Shore Milnes Sewell, Esq., barrister, and grand-daughter of the late Chief Justice the Hon. Jonathan Sewell, both of Quebec, Canada.

At the residence of the bride's father, Danville, Shipton, C. E., on the $4 t{ }^{2}$ instant, by the Rev. Mr. Parker, Alfred Earnest Ecroyd, Esq., M.D., Mount Forest, C. W., to Mary youngest daughter of George Nasmith, Esq.

At Laprairie, on the 7th instant, by the Rev. Isidore Gravel, Rector of the Parish, Dr. Richard C. Dufresne, to Wiss Marie Louise Alphonse Charlebois.

## Deatis.

At London, on the 27th December, aged 56 years, Edward Rigby, M.D., President of the Obstetrical Society of London, long and most favourably known as one of the most eminent scientific accoucheurs of the metropolis, and one of the most esteemed writers and authors on obstetric subjects.

At St. Guillaume on the 25 th ult.; J.H. F. Armand, son of Dr. F. X. Barolette, aged 6 months and 19 days.

On Christmas day, at Granby; after a short illness, Albert Charles, sixth son of W. A. R. Gilmour, M.D., Iately of Three Rivers, aged 14 years and 11 months:

At St. Andrews, County of Stormont, C. W., on the 17th January, Jave Hamilton, daughter of Ambrose Blacklock, M. D.; M.R.C.S.E.; and S.H.P.R.N., much and deservedly regretted.

At Quebec, on the 3rd instant, John R. Cole, Esq., L.R.C.S., Edinburgh, and formerly Army Medical Staff, aged 29 years.



[^0]:    *That eminent oculist, Dr. Jacob, of Dublin, recommends this operation in a recent clinical lecture.
    $\dagger$ London Ophthalmic Hospital Reports, p. 121.

