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# CANADA LANCET. 

WDLLAS EDWARD BOWATA, TEB., EDITOR
№. 10.
MONTREAI , IECEMBER 15, 1863.
Vol. 1.

EEW REYARKS ON VACCINATIIN AVD RE-VACCINATION.

 Thivel /hirve, Misstrent

Us the 184, Nay, 186t, an act was assented to by Tis Excellenes the Governur General "Tu providn or the mure general aduption of the practice of accination." That act proviles that no pubije posey should be gaid to any Hospital, unless is iad gmall-pox ward; that the City Councils of Quebec, hree Rirers, St. Hyacinthe, Montreal, (itara, Ingaton, Toronto, Hamilton, Londun, and Siturpoke should contract with legally yualitied adical practitioners for the raccination of all per who might come to them: and that conmient places lue cupeinted in each ward fur e purpuse. By that law, narents are hound to ce their chilidren to be racciasted within three Meadar months after their inirth; to exhihit them the medical practitioner on the eighth dry after ccination; . id tu obtsin from him a certificste anccessful caccination. But if the child is and unfif for raccination, a cerificate to that ect is to bo given, and every succepding two ponths the child is to lne taken fo the medical actitioner, until vaccinated, or fuund insusceple of vaccine diseaso. Parints who do not comWith the requirements of this art, are liable, on convicion, to n penaliy not axceeding fire liars; and nn such piea of coditiction shanlel be Saficient defince aguingt any tomplant which ght afterworls be brought against the parent or arditen for nesa-compliance with the fruvisions of act, respecting the same chill.
fruch is the substance of a law which ia good so Es il goes; but which is defective in being too ited, and too partial in its scoupe. It was the ty of our I'rovincial Parliament to lave followed - legislatures of oiber countries, snd to hare med a law to render tho practice of raceination mpulsory, not only in the larger cities, lut ragbout the privince. Such a law would not Te been considered inquisitorisi, and rould have ched persons of all conditions, unil of errery cality. As it is, the residents of the larger cities folooe henafted; and such of them, unly, as loobe, of their uwn good pleasure, to suht it to the perted invitations of the jrublic vaccinalors. The aller towns, as Brickville, Pruscott, Pirt Hope, leville, Cobourg, \&c., and all the nume.nus villaart anpmpided with public vaccinators; while in 3ut.y districts, ploysicians in private !ractice, to om is left the duty of vaccinating, are rarelyis some places in Eastern Canada, at least-are rapplied to for that purpose. The mass of the ito intended to be beaefited by thls law are not reased with the necessity for, or tho usefulaeas aecination-nay, many have a deep rooted prove espingt the practice of "putting a scab from
a cow upon the skin of e Christian." In this city, nutwithstanding the polineman's alarm bell, motices in the newspapers, occasional promptinge from the pulpit, and large posters in certain localis ties indicatıng offices for vaccination purpoena, only about $400^{\circ}$ hare availed themselves cf the services of the public raccinators during the past two years; and of these, the greater number Fere vaccinated when the act, through the ageucy of the City Conncil, tirst ubtained partial publicity.

Wiere all the rest atteaded to by private practitioners there would be no occesion to find fault: but it is not 80 : ibere are many families whose children never bare been, and without some atringent compulsory law, never will be noculated with the raccine virus. Yet small-pox is, par cxcellence, a Sanalian disease. It is rarely ab"nt from this city, and nerer absent from the coulury. In every town and village througbout the province numeruus traces of its former presence are visible. If we visit the French Canadian districts we find family after family "spotted" with it; and many a mother will tell us she has to deplore the loas of a lored une, by a disease which added to the usual horrors of death, the swollen diatorted featares tha: forbid the last embrace-nay even the last and look of recogaition. In those diftricts where gmallpox is most frevalent, sacciastion is unknown; and 1 am assured by professional genilemen of the higheat respectability in country tiatricts, it is useless to attempt to conrince meny of the hismbler classes that here is any conservatire intluence in the praclice. Many regard small pox as one cf the necessury ills associated with our existract. The child must get its teeth, have monsles, scarlatina, hooping, cough, and smail-por. And some go so far as to expose tho child to the contagion of the latter when its bealth is good, hoping therchy it might run the gauntlet with greater comparative safet; . The untutored aspagea in this cuuntry fly from it in terror; and wher nne is stricken with the disease (and it is supposed to hare had more victims than the "fre-water" introduced by the beneficent white man) he drowns thimself-preferring a resting place among the fisher it lying a bloated, putrid mass, with no one to rentire near him to moisten his lips.
'Tis strange a subject so deeply affecting the community, should not hare received attention earlier; and tis passing strange that when attention was at length directed, a bill of the nature described- -0 partial in its scoro and action-shonld have been foisted to lead persons to repose in fancied security, believing something had been done to ward ofr this loatbsome malady. I cannot say what the saccess has been in the other cities and towns mentioned in the act, but in this city we bave not an eatirely vaccinated population. Within the past few weeks, small-por has carriod of lerge numbers in the west end and in the east end of the mburbe: and here and there throughout the city it has marized
or agpropriated its victival. It is not my desire to censure our City Council with the imperfect manner in which the dufy confided to it has been discharged: but Imsy observe, that, as the Council has taken upon itself the duty-not commanded bat permitted -of enforcing the law, that duty should be performed fully and entirely, or not at all. The partial success obtained by the public raccinators, (Doctors Leproton, Campibell, and Ricard,) is due entirely to their own zeal. These gentlemen bave, in most instances, sought out thnse who were not vaccinsted, and carried the Ifmith to them. It cannot be expecter, howerer, ihat for the miserably small fee of 25 cents, medical gentlemen ahould leave their other occupatio. a to uarel far in quest of those who should be iureed to go 10 them, Greater problicity is wantel; and people should be made to underatand that there is a law to compel vacciuation ; and that law shuuld make examples of those who eadanger the lifes of their uwn children and thase of others by a non-compliance with it.

Thruaghout the whole of Europe the practice of vaccination has long been general. In France, Prussia, Bararia, Wirtembere, Denmark, \&c., where a longer or shorter residence permitted me to become faniliar with the sanilary laws of these countries, the practice is general among ctrilians, and compulsory among the military; and nut only one, but repeated raccinations. Kir has the British Government though distel bing anything seemingly inquisitorial, been less rigid in the enforcement of $90 \mathrm{good} \&$ law : and in a number of the Times for October, we read of an inquest on the body of a child dead of small-prox, whers the Jury readered a verdict anoonting to manslaughter againat the parents, for neglecting to bare the child; raccinated.

In the neighboring States the practice is general, and every precaution is taken that prudence can suggest to prevent the occurrance. or to limit the, rarages of the disease. Some of these, however, seem to be rather the hurried promptings of fear, than of Fisdum.

But weil founded doubis are entertained by physicians and others, concerning ".p continuance of the protecting influeace of vaccina..on. The sear upon the arm produced by the raccine virus is not now regarded as a guarantee pour toujours against the occurrence of the more unsightly small-pox scary upon the choek. How much soerer me may lie dispoed to land the discorery of Jenner (and certainly no other of the present, or the past centuries can le compared rith it in importance, cases of small-1 por occuring after surcessful vaccination are two frequent, to Te. init ios to doubt there is a livit to the duration of that protecting infisence. On the - ontinent of Europe, this limitation was recognized and acted upon upwards of twenty years ago.! Fifseen jeara afterwards, the subject was forced; upon the attention of the Britiah Army Medical: department, when in 1858, a number of cases of emall-pox baving ocerred io the army, particularly in India, among persons who had been previously: vaccinated, a departmental order was issued "that; in futare, every recrult should, on joining his regi- | ment be raccinated, even if be shot id be feund to have marks of smalt-pox or of previous vaccination." $\Delta$ number of soldiers "in whom the marks of vaccisation were not deemed satisiactory, were raccloated, and the reaults were kept separite from those of the recraits"; and the folloving table
shows "the degree of success which attended the eperation in 1000 cases in each of four differeat categories, logether with the general result apon all the men vaccinated."


Arsult of Heracrination in the Ririfish Milisin.


What is remarkable in the foregoing tabiet the fact that previous raccination, or even previad small-pox, seem: to have had tyt little infunte in determiniag the general results; and ! begw direct attention specially to that face to ent rest a rery general but a pery erronopus belife shared in by many physiciang-that the filmal
(after one or two trials) to successfally inoculate, Fith the raccine rirus, adults $\boldsymbol{T}$ bo had previously been raccivated, is a certain index that the sy stem is still saturated hy, and under the protecting infionnce of the trmph introduced, it may hare heren, many years before. This is a grare error which many persuns hare bad cavse to reg et they had ever: eutertained. The returns furmished by the Wir:cmhecg army are strungis confirmatory of mhat 1 unw scate.

Derree suocess of Bhigeri.
nation.


Mr. Siman, speaking of the above fignres, sara: "Is is eridently impossible to argue that all who on revaccination jielded perfert raccine resicles woald, un ordinary exposure to small-pos infection, hare become infected with small-pos" for "inocolation of lymph, whether raccive or varinlous, in, 80 to aprak, a fiacer and more dulicate test of surepribility to the small-pox poison than is the breathing of an infected atmosphere. "n tha other hand, there could be little reason to donbt that they would have been distinctirely the ardungered dam. Not that all or nearly all of thern would hare suffered, but that from among them, more than frou among other vaccinated persuns, the occasional sufferers by small-pox would hare come." The statistics of other continental States are not less contirmatory. I regret I am not poseessed of figures relating to the army of that country-erer formost in all that science can elucidate or humasity promp-France; butwith the following, taken from the statistical report of the Kritish army, suffeient will be oblained.

Reblitg in 1000 Kpraccinations.


Profeasor Heim stales that in Wirtombarg, during the five jears, 1833-7, though small-poz infectinn had bein sixteen times imported into different regiarents of the army, there hud ensued among the 14,384 revacciuated soldiers, only _in ithe person of one whove revaccination, two rears
a single instance of varioloid. In the Prussian army prerious to the adoption of re-raccination there were (taking the average of ten jeara, 10t annial deaths by small-pox; now the annual deaths for the re-vaccinated ar ny is 2! Ast analysing the 40 fatal cases of small-por which, during the last ?o years hare occurred in the Prussian army, says Mr. Simon on the authority of Prufessor Heim, "we find that only four of the nimber were persons Who (it is said) bad bein successfully re-raccinated." During the past 20 years, the pe:iod during which re-raccicacion has been compulsory in The Bararian army, not ove death nor eren a case . of unmodified small-pox has occurred in that bods Iof nearly fing thousand men! Denmark has, during the same period, preseated a like immunity: 'hinuch like her sister kingilom she has beea expused to small-pos contagion during several epidiemies.

I cannot permit myself 10 encroach at greater ! length on the columns of the Journal; and morejorer, sufficient bas been kritten to render it at least iesirable, that some law shouht be enacted, and when enacted, enforced, for the unirersal practice of raccibation, and the more general practice of re-raccination. In the mean time I should suggest that the Conncils in the different citiea mentioned in the Act, give greater publicity tu, and enforce the obsercaner of the law as it if, until we possess a law as it stould be; and that the pablic varcinators be invitect to re-vaccinate the adult p.pulation, and be cumpensated therefor, as for primary raccination. And might we not secure the co-nperation of the many thonsand rusuateers and militiamen throughout the Prorince by inviting th:em to imitate tho practice now followed by their brethren in voluntary service in Great Britain, and in compulsory serrice on the continent of Earope, and submit to be re-raccinated. The example, attended with but little inconrenience, and, where public var cinators are to lo isund, no expense, would hare many imitators in those who would not fril to perceive the comparative immunity from small-pox which the practice would have afforded. This, no doubt, will already hare suggested itself to mingy of those who peruse the - statistics fornished in this luastily writteu paper. To my own mind the guhject has been suggested, most painfully, by observing, in the bed room of an able hodicu roung ran dying of small-pox, a suspenied bayonet and cartuuche box, whose owner, by a litlie timely and trifling act, might have beon spared to his country. To my professional brethren throughout the Province, I should argently recommend the duty (ns I clearly conceive it is a duty), of apprising the nou-vaccinated among their patients, of the danger of the neglect; and the paccinaiell, that the ecar upon the arm is a guarantee of immunity from small-por, which has its limit in duratina. Not that we may ever hope to witness the entire disappearance of this loathsome malady-hut reasomably to expect to limit, at leash, and to deprive of its virulence, a disease which is frightfully common amongst us.

Nontreal, 9th Dec., 1863.

Dr. Sirek in the Archiv der Heilhwnde, stares that he has boticed th . the beart becomes enlarged in some cases of chlorosis, diminishing again on recovery, and calls the atiention of the professiun to the subject.

## čauada clauct.

## MONTREAL, DECEMBRR 15, 1863.

Of all the public charitiea of the civilized world there are probably none in Which, in ןrourortion to the number of operations performed, nure cast's of bad surgery are so constantly occurring as in what is termed the General Hospital in this city; and we may safely add, no place on the gluhe where these blunders would be so long and so patiently tolerated without murmuring, as they are in Montreal. And whilst we perfectly agree with avery good citizen that this ingtitution, on the whole, is a great bleasing to the community, and that its athirs are admirably conducted by its goreranrs and its committess of management, we must relucsantly add-in all but one thing-the appuinturnint and control of its attending physicians and surseond.

We will not give our opiaion cuncerning the practice of medicine within ite walls, not that we have not noticed many errors, but that it Fuuld be useless to diato cases where our dingnosis could ponalbly be called into question : in surgery, how--ver it is difrerent, for carelessness in it is tou palpable to be deaied; we will therefore enumerate anme of these.

First then is the loss of life from blundering eaces of lithotomy: in one, the artery of the bulb wat divided, and the pationt allowed :o die from hamorrhage; in another, the bladder wits entered througt the trigone, the prostate remainings untonched, and death took place from ir filtration of asine; in a third, after a long and unsuccessful attempt to reach the staff, the unskilful surgeon most wisely repented, and handed the knife into abler hands to complete the section. We were precent at the second mentioned, and at the autopsy. Wo have also witnessed lately some very bad operations for cataract. In one, the iris wes cut into with the knife, and the oye bopelessly ruined; in enotber, the vitreous homone was allowed to escape with the lens, and the patient rendered blind for life. We have been prosent too when the whole eje has been abstractec nunecessacily, as we thought, ard withont benefit to the patient. We have witnessed a case of fracture of the femur Which was allowed to ossify with much shortening, and which was refractured by an elder practitioner to save the credit of the hospital, but anfortunately this excellent man has not always been at hand to shield its doings, for two of its cases have lately been rectified at the Hotel-Dien: one, a fractured tibin was atraightened that had been permitted to grow together in an angular position; the other, the case reported on page 29 of this periodical, was - fractured arm which had been allowed to go out with a piece of dead bone pressing upon the bloodvegsels and nerves of the part, to the great digcomfort of the patient and discredit of this charity. Jot long since, in an operation for the removal of a sumorer from Scarpa's triangle, the femoral vein and othor important ressels were divided, and the pa-

Two deaths have occurred from chlorofrem one from the want of a stimulant before its administration, and although we dn not know the cara of the nther, fur we were not preseat, we have acertained that, ns with the first, electrici; has not lecen arailatile for resuscitation until too late to be of any service. The spine case which bade so fai fer an excellent osoification was allowed to brevar displaced, and the foor man thereby robbed of his unty chance of recosery.

It will be nuticed that we have been rye wit ne:s of manj ai zicyp mivfortumes, althoufh by do mrans, a coustant attendant on the hospital We cannost answior fur how many similur ones han occurred in cur absence, and we are afraid that these surgeons will nut rolighten us in this matter. It is but a werk or two since we were infurmed of case oit death from wariotomy: We do not knor but that the operation wias weil performed, but mp bave heen refused the notere of the cawe on the plas tunt the surgena dill not desire tos have it notired.

But who are these men who thus hold appoidt ments for whirh they are su incompetent? Rid ishame we confexs that they are profegnors and clinicul rearhers in Mc(jill Collegr, or akpiranis is its honours. We therefore call upon the leaders of this institution for sume new rule hy which ies. more these blighta upon its fame, or at least to adop: sump epergetic cuurse to preveat such men froe ever again disgracing it lig like operations. Justia demands the appeal, although past exprerieace ha ybown that it will ine useless.

Rut we have uther means of checking this sacrifa of human life,-thege cutrages un our proor. This hospital is a jublic institution, receiving anant grants from government, and liberal contributives from our citixens, nay more, is jtself a free and noble gift to us from men whose names can neve lee furgotten. We havo therefure a right to inda that our sick poor whom we send to it fre protero tion und cave should have the best of medical attendance. As the guardians then of these and of the puhlic welfarr, it behooves us tol enquire iato the causes of auch accidents, and the hest mode of gre venting them for the future.

Let the governors remedy, then, the first al grentest error-of placing this hospital so complem if, eren to the vary secretaryship, into the bands d medical men so closely bound together by comaron interest cad so incapable of managtay oven their own affairg-by listening no longer w their recommendations for the nomination of yound physicians in preference to older and more as perienced ones, whilst so many of the latter at both ready and willing to accept these appoiah ments, and to give their truly valuable service gratuitously to the poor. And let those selectod be independent men, who by their presence mify act as a kind of check on theae careless professort

Let the secretaryghip also be confided to romet good honest citizen, who will not be interested in biding errors of this kind, but who will shind every facility for free investigation into its athirs. We have ourselves experienced much dificalty is acquiring information on account of the gecretry being a medical man, and connected with MeGi University.

Let us employ no half-way measares in this mist ter, for, from long indulgence, these professors cose sider that thay have a right to control our hospital forgetfal that they are but as invited greate, and
onitled to remain only so long as they periorm gare the mensation of being sealding hot, in a their duty faithfully. Let a sirict rule then be established that esery surgeon who destros: life through ignorance of anatorny, or by culpuble negligence, be sumnarily dismissed. For do excuse should be acceputed for operaisuns thus badly performed, fur the rules of the houspital give them unlimited frivituges in making post-mortem examinasins, hesides which ther hant, a dissecting roum in wir whilge; ther shouldid lierefure prefure thrmolets hystudg, if wherwise incompetent or inexperiencirl, hefore risking the lives of their follow ereatures. This rule aluate would lie found to prom doce an immediate and marked inprotement in the sargery of the hospitath.
and funally ter there be a rale eritablished here as in Eurupre, that all copuntions mast be performed an eptain dicya of the weres. verept in erses af argent necessity, and that phsariant gencrally be adrised of them, and invited to attend and soe that these soen do their duty.

## gitb Wool.s.

 amd Tarathent of the donognital. Malponmathoxs of the Rectry asib Asus. By William Bodenbamer, M.I) With plates Pailished by S.S. \& W. Wood, New Yurk, 1 IG6O.

The style of this author is concise and agreeable, and his sulbject interrsting ; his wurk will well repay perusal, although its iumerliate study may not be required. Tufurtumately it belongs to that class of books which a ploysician, haring no cases of the kind to trest. ferls indifferint in prossessing, and carcely willing to admit as necessary. It shows itself forth howerer in bold rulief as one of the most important and useful, when be is called to eperate on some unfortunathe child thrown suddenly in his charge. Glad of the oppere'snity of examining to valushle pagea, he will then agree with us on its extreme atility, and in considering that no medical library can be called complete withont it. It is a large uctavo of unuards of $\mathbf{4 0 0}$ pages, filled with beantiful lithograjph: and besides separate and distinct treatises on the different species of malformation and their treatment, cintaining in efacidation of the subject, upwards of three handind cases, gat:iered from evtis reliable source, elagaifed, and tabuluted. Hy these we find that of 156 on which operutions have been perfurmed, 87 have rocovered: this is encouraging, for of 42 for which nothing had been done, all but twelve sucemmbed. Finally, fifty prages are devoted to the dfferent modes of performing the operation for abdominal artificial anus, which aro plainly illustated by the lithographs. Nor can we close without remarking that in alroiring this handsome molume we compliment its publishers; they too, richly deserve our praise.

## Muteresting Eisss.

Ocriods Effect of Tingture of Iodine.-A patinnt, an elderly man, having painted himself with merong tincture of iodine, on the side a litule above he hip, for the relief of pain, soon afterwards exparienced a severe burning in the part. A poulHice was directed, which although it removed the freaier portion of the metalloid, rather aggravated band relieved the distress. Cold water, saturnine plations, infusions with opinm, and the varions thedr of ointments, not only failed to alleviate, but
few days shree angry looking ulcers formed where the iodine had been appplied; the lurning however ytill continued, aud esery thing, even icp itself, frlt to him like molten lead. All that ingnuits conld suggest proved unavailing in relieve this asmptom for apwarils of three neeks, when a misture of chalk with lard was prescrithol as an experiment; this acted in a mont extruorilinary ruanner liy cotupletely remoring the pinin in leds than an hour; it however returned sumewhat after a tince. This cintmens wis continucd lo cicatrization, which was anusually tedions. At each time of dressing, the feeling produced by the ouol salve. was described by the patient as delightful.

I hare been infurmed by a hrother practitioner that in another nimilar caae, when the excessire pain was in the intagument of the acrotum, every applicalion proved useless until the part was bathed with crenin.-Editur.

## HIClixis C口MMirnis <br> Tuz lezaies of the (inutor-(ill Playt as a Galactafiuries.

H. ©. H. F Rurta, y D. M.R.C.P.E., M.R.C.S., Phyas. cian the the innuaritan frew Horfutal for Wowimen ami Children.
The galactagogne properties of castor-oil leares were knowa w the Spaniards of l'ern and Cliali. M. Frezier, vagiuper in ordinary to the drenels king, in his narrative of a voyage to thase paris. performed during the years $1713-1:-14$, siupped for some days at San Vincente, one of the Cape do Verie islands. In his description of that islund. he ataies, that ansigg other plants he saw there the Paima Christi or Ririnus Americanua, by the Spaniards in Peru called Poterilla; and they affirm that the leaf of it aphlied to the Lreasts of the nurses brings milk into them, sall applied to the loins draws it away.

The employment of castor-oil leares as a galactagogue in this countre, dates since 1850 . In a paper read beforv the Biritish Association, at Edinburgh, in 1850 , and afterwards published in the Lancet, Dr. Mcinillians brought the effects of this remedy before the profension. "The leaves of this plant in Bunarista in the Cape de Verde Islands are known as the Bofareira, which is in reality the Ricinus Communic of botanists, and occasionally the leares of the Jatrupha Curcans, both belonging to the natural order of Euphorbiacea. Two kinds are knuwn in theso islands, the red and the white. They are both raricties of the same plant, but the red is avoided by the natives, the former being said to be galactagogue in its properties, the latter eminently emweargogre.

In cases of childbirth, where the appearance of the milk is delayed, a circumstance of nut unfrequent occarrence in those islands, a decoction is made by boiling well a handrul of the white Bofareira in six or eight pints of spring water. The breasts are bathed with this decoction for fifteen or twenty minutes. Part of the boiled leaves are then thini, "nread over the breast, and allowed to remain unid ail moisture bas been removed from them by evaporation, and probably in some measure, by absorptios. This operation of fomenting with the decoction, and applying the leaves, is repeated at short intervals until the milk fluws upon suctiou by the child, which it usually does in the course of a few bours.

On occasions Where milk is required to be produced in the breasts of wamen who have not given
birth to or .ackled a child for years, the mode of treatment andopted is as fullows:-Two ar three bandfuls of the leares of the Ricinus are taken and treated as before. The decoction is pouren, while yot huillag. into a large ressel, over which the wonam sits, on as to receive the rapour ofer her thighs and geurrative organs, cloths bring carefully: tucked around hire, so ata wi prevent the pasape it the stomam. In this pusition she romaius for ten or taelve minutes, or until the derwetion couling. a litile. she is enabled in hathe the parts with it, Whiche she does for fifteen ur incity mante- worr. The breasts are then similarls bathed, and gently rulbed with the hands; nad the leares are afterwards applied to them in the ennnner already descriked. These sereral operations are reprated three times during the first day : on the sercond day, the woman has her breasts butued, the l-aves applied, and the rutibing repeated three or fur times. On the third day, the sitting uver the steam, the ribbung, and the application of the leareation, with the sumentation of the bruate, atre agan had recourse to. A child is now put to the nipple: und in the majurity of instunces, it finds at athan- ! dant supply of milk. In the event of milk not being gecretell on the third day, the sane treatment is continued for another day; and if then there still be jauni of success, the case is abandoned, as the prersun is supprased ant to be susceptible to the influence of the Rofareirn.
Women with well developed breasts are must ensily affected by the Kuffareira; when staull and shrivellef, the phans is said to act more on the uterine system, bringing on the menses, it their period be distant, or causing thrir immoderate How, if , their adrent be near.
Dr. McWillians gives the cases of three wumen in whose breasts milk was induced his the employnient of the Bofareira; in all of which freguancy had occurred some gears previously.
Dr. Tyler Smith has mailo some experiments upon the use of this plant. He tried the effects of the leaves in fire cases, in three of which it proved successful. In one it prodiced a copious fow or the catamenis, in another leucorrhcea. From his experiments he believes that the caxtur-oil leares, applied externally, bave distinct galactagogue effects. He followed out in his experiments the descriptions given and quoted above frum Dr. Williams' paper, but did not apply the steam of the decoction to the generative organs; nor does he appear to have given it internally.
I believe I am the fir $t$ who has used castor-oil leares and stalks internally as a decuction in this country. I was lell to do so from baving frequently ohsersed that suckling women, after taking a dose of cassor-oil, noticed that they secreted a larger quantity of milk, a result which I certainly connot entirely attribute to the removal of accumalated fecal maters ; because I have not seen the same full effect from the use of other purgatives. Dr. Tyler Smith alludes to this effect baving been noticed by others, although, he adds, it may do this by moderating febrile excitement. It occurred to me, therefore, that in defective lactation, the exhibition of castor-oil leaves and stalks in a decoction might produce, or more directly cause, a flow of milk. I have now given the remedy in several cases, and 1 must say I bave not been disappointed. The flow has been remarkably increased. A few objections against its use, however, should be mentioned.

Some patients complain whilo taking it $d_{1}$ sensation in the eges, not oractly amounting 4 pain, but accounpanied with dimness of sight. liv not think this is due to any freculinr efieted the custur-uil plant. I have only noticed it a neak women : and rather attributr it to the forem flow of the secre:inn, an effect exactly noalogen to that which :s observed int nursies whe then suck led tow lon $n$ : when the child tahes the wene
A secund is that the dose after a time requiraz be much increasel, as the romedy appeara to ho its effict. A temporary surpension, and the mot stitution of another galactagngue, remedias tu inconvenience.
A third objection is the difirulty in procang the leaves or stalks in sufficimt guantity. H4 prears that they are not infurted into tho conme and all thuse tbat ran be chitained are prodam from lmotanicul gardens. The lurger number o ployed hy me came from that of Mr. Butle, c Covent-Garden. The importance of this remedjen galactagugue, will doublleas are long cause ils it jortntion, or growth in larger quantities.
The last oljection applies to an occasiunal efe ohserved ufter its administration. The roots: decuction were before said to the diuretic. To leures in decnction arv orcasionally so alon: have heard uf two examples. In the one so fry 1 cumld hear, a large uuantity of water was ded passed under its influence, and it did not appers: promuce any increase of the secretion of milh. $:$ this case, bowever, I am not aware if the brem were kept warm. If not, it is conceivable thate effect similar to that observed with diaphortep should uecrr. These remedies, it is kncwn, yt nut act nas sudorifics if the surface of the atat kept cool, but as diuretics. If an analogoun o planation applies to galactagogues, it poinss ex the importance of keeping the breasts very mut when the decoction of castor-oil leares is givem it ternally. Moreover, we are led to this moded management by noting the manner in which 辝 remedy is employed in Bonavista. Hot fomert tions of the leaves are there always applied loulf to the mammary region. Where this diuretic is produced, it is well therefore to smear the extru of the leaves over the breast in the same manch as a beliadonna extract is sometimes used, with warm ordinary poultico outside it, and this canti nation will probally falfil all the indications in treatment. In the second case, buth the secrut of the urine and the milk were mach inctens and to sach an extent as to make it obligatory the sake of the patient's strength to discontinus I am not aware, as both of these cases occurnd the practice of others, whether hot fomentation were also applied to the breasts. The breasto my rule should al ways be kept warm, when this rest dy is given; and when the diuretic effect is $\bar{y}$ duced, not only kept warm with poultices, but minh smeared over with extract.
When the castor-oil leaves are given as an inf sion to women who are not sucting, I havo served two effects, both of which seem to dand its specific action. First, it produces intarnal pis in the breasts, which lasts for three or four duy Then a copious lencorrhoal dischargo takes plac after which the effect on the breasts entirely dip pears. During the daration of the pain at breast I make no doubt that, if a child had but applied, the suction woald have determined ${ }^{2}$ lacteat secretion. This, however, is an experiman
wwhich I have never found a patient willing to ! summit hergelf, and so hare not been able to prore. I have niser get olserved any very dicided activa of the learics as an emmenagogile. In some vomen it secums in pusqess scarcely any infuence. The prejarationsis of this drug which I have used have been a arong decoction or liquor, aund an extract, the duae of the former ining from one it tro drachms daily, in wher: of the lnther tise gralns.-Hiorh on infant ferding.

## hemsihut wol: yis of the knee-julst.

Dr. Lidell, of Stanton Huspital, Washington, in a communication in the American Nedical Times, mys:-It sumetimes bappens that a musket-shot hus the tnee in such a way as to upen the juint to greake ur less exteut, without breaking hene. and the patietit gets well with a goul timb. I have vea three cases of this kind, all of which terninated sivorably. But if the articulating end of sither the femur or the tilia happens at thr sampe time to be splintered by the hullet, the nature of the cast is entirely changed. The putient will not make a prod recorery. Sonner or later the joint will swell ap and becume highly inflamed ; great constitutional disturiance will also be develnfred, and the puient will ultimately lose his life if the limb be ma remored by timely amputation.
The must dangerous crses, howerre, are those ruerein the bullet enters the limb at a distance (prater or less) from the juint, and without upen-! limg the cavity of the synov'al membrane, or perhaps vibout eren coming into relation with it, plantiurs the bone in such a way that the fissures exienil to tbe cartilage covering the articulating end of the beme, or eren into the agnovial carity itself if the plintering happens to be very great. The danger : of these cases is much increased by their in3idions ' character. The patient may do well for eighl days orecrea two weeks after he is woundel, and then $\alpha$ a sudden be seized with great pain in the joint, blowed speedily by heat, tenderness, and nunch radling ; at the rame time he has constitutional tritarbance in the shape of surgical fever and great mallessness. If the traumatic origin of this acute Nethritis happens to be overlooked, and if the case be put under treatment as if it had begun spuanunconsly, the inflammation will extend rapidly from the joint to the thigh, and in a short time inroive it so extensively, that, if the surgeon shall now mish to remove the limb by anputation, he annot find bealthy tissues through which to opeatu; and before long the thigh will be converted tho a rast abscess communicating with the juint. These are the so called cases of secondiry inflammation of the knee-joint, and ore certain to turn math bedy if the limb be not amputated in season. 4s soon, therefore, as this form of traumatic artbriis derelopes itself, its exeeer ngly dangervus charceler should be recognized, and the limb cut off more the inflammation has had time to spread hrough the thigh in the form of diffuse cellulitis. a all such cases amputation must be performed myry, if it be expected to sare the patient.
With regard to the treatment of gun-shot injories general of the knee-joint, I believe that in all thes of wonnds of the soft parts alone, whether the synovial sac be opened or not, an effort should made to save the limb, provided the loss of submooe in not great. For this parpose the patient hoould lie still in bed, and haveice constantly ap-
plied to the seat of iajury, quieture and ice being the most reliable agreats fir cure in such cases. If, hinwerer, list lona of substar se be estengipe, as in a ase of crrtain wouncia inflicted liv the explosion of shells, primary amputation shonid be performed. Again, if the bullet pass completely throngh the juint, cutting simply a groune on the artucular surfares, withome comminution or sylintering, 1 be-
 if severe arthritis should supervene, it will then becone nut duty tusmputate without d hay. In all casee of wiunils in the neighturthoud of the haeejuint, sssuciated with commanutiou and spiliateriag of the articular ctul of eithes the femur or the tibia, amputation should be performed as scou us the diagnusis is made ourt.

## S:NCET WINE


About two years sinco, failing wobtuin any braefit from the pepsine then usually gold. I had recourse to the direct preparation of a solution of gastric juice from the calf's storunch; and sw gratifying has been th. result, so satisfactory una remarkable : 9 e effects 49 a reumedy in gastric derangements, that I wish to cummnaicate to the profession the mode of preparation which I have found tir most convenient, and the best for erery yurpose.

Take the stomuch of a calf fresh from the butcher; cut off about three or four inches of the upper or cardiac extremity, which, ecataining few glandular follicles, mas be thrown away. Sili up the stomach lumgitutinal!s: wi;": it F.atl|: with a dry nal kill, tik iug care to surnose ath lithe of the clean mucus as prosoible. Then cut it iatu small pieces, the smaller the better, and put atl into a common wine bottle. Fill up the bottle with good sherry, and let it remain corked for three weeks; at the end of this tinee in is ith for use.

Dose.-One teasjocminful in a a ineglassful of water immediulely after meals.

Test of Quidity.-One teaspoonful will solidifs, to the consistency of blane-mange, in from ons to two minutus, a cuy of milk (say eight to tell ounces), at the temperature of 1000 Fahr. In this uction on the caseine of the milk, it may be said that the wine alone would have some effect, but wine will nut solidify milk, nor will it curdle it at all escept at a much higher temperature, and in much larger proportion than the above.
This preparation, which I propose to call "Rennet Wine,", has many advantages over the watery infusion of rennet which is obtaineul from the salted and dried calfs stowach (ased largely in cheese making). The latter is also a good preparation, solidifying milk in the same way while it remains fresh; but it is much more troublesome in the making, and in warm waather it soon begins to react on the animal maters contuined in it, and becomes spuiled. For these reasons, it cannot conveniently be used in medical practice. Rennet wine, on the contrary, is so easily made, requiring no saitung or drying of the stomach, is so inexpensive, and can so readily be prescribed in private and in hospital practice, that I huve little doubt, when known, it will become one of the must valued remedial articles in the hands of the profession.
I recommend the employment of good sherry, because this mine has sufficient body to keep the infasion purfectly sound for any length of time, and is not so strong in alcohol ag. to suffer any apparant
loss of solvent powor in taking up the active principle of the renat.

To the physiologist, it is unnecessary to say, that this remedy should be given after or during, not before, meals. A aingle do3e, given daily afte: dinner, I have found quite sufficient in the general run of cases requiring it. How this small yuantity can sct so speedily and effectively it is, perhaps, not easy to explain, when we consider the erge dupply of the gastric secretion necussary for the thorough digestion of an ordivary meal. The action is, propably due to thuse adirect chemicul changes, called catalytic transformations, which some organic substances, by their mere presence and contact, induce in each other and in other proximate principles; and thus, perhaps, the conversion of a sraall portion of food into healthy albominose by this small quantity of sound gastric juice, may induce the same bealthy uction throughout the stomach contents during the entire process of stomach digestion. It is at least equally difficult to explain the action and rapid extension of ferments generally, in their appropriate sulutions.

I have often been forcibly atruck by the magical effect of this small dose in removil., offensire odur fron the breath of young persons,-a distressing symptom, sometimes aggravated rather than relieved by purgative medicine; and I may also menLion, that in one of these cases cod-liver oil was easily tolerated afterwards, though never befure. It would be a mistake, however, to suppose that the oil is at all acted on by the gastric fluid. The oil globules of coagulated milk are seen, under the microseope, unchanged, though imbedded in the suliditied caseine; and the digestion of oil, taking place only after passing the orifices of the pancreatic and biliary ducts, is entirely intrstinal; but intestinal digestion itself must surely be influenced essentially by the healthy preparatory action of the stomach secretion on the albuminous compounds presented to it, and thus the digestion of oils and fatty matuers, though not even commenced in the stomach, may be facilitated by their being mingled With the products of healthy gastric action, when submitted to the succeeding operations of the pancreas and liver. Medical Times. From Braithwaite.

## © Corresponients.

Distuied Waters.-Peppermint and other waters, atthough retaiuing this uaine are rarely discillif. They are made up extemporaneously by rubbing one drup of the easeatial oif with a few grains of carbonate of magnesia, stir. rirys in gradualay an ounce of water, and filtering. In prescripticns containing aay other puwder, the cill is triturated with it, and the mixture made up witheut the necessity of previous alitration.
To purify Lard.-To every cight pounds of laxi, add an ounce of powdered alum, and s table-spoonful of common cath. Melt it in a water bath, stirriug it frmuently, until of shee heat of the boiling water, when it must be skimmed and allowed to cool. Next, turn it out of the vessel, scrape off the gediment, and wash, and work throughly in a rupning stream of water.
B.-The Montreal General Hospital contains at present elehty-two ocrupied brids.

Muid Alagnesin, Add three pounds of carbonate of marc. neyia to ten gallons of water, before putting it into a soda cylinder, and pump in the usual quantity of gas employed fonkilug sods water, and you wil have tem grallons of the binemt saburated fluid magnesia, the directione for which will be the sane as those for Murray's.
Mrodicel Works publinised in Great Britain from the 13th Oetober, to the 15th IIorember, 1868, with their (isem, nambern of pagen, prablishara names, and prices bontaritug.
Beale (Lionel 8.)-Urine, Erinary Deponits, and Calculi, and on the Treatment of Urinary Ifsemsen, sed edit.


Bird (S. Doupan)-On Australasian Climatien and theo Infuence in the Pruvention and A rrest of Pulmonary Com sunsption. *vo. pp. 174, 7. idd, (Longman.
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Heritt (Graily)-The liagismis and Truatuent of Divene of Winmen. iturlu llug the liscum-is of Prowancy : founde
 Bledical sichool svin., ple. diti, hin (Limstunn.)


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Siavory (W. S.) (ma liffand Ihath : Finar Lecturendelivo at the Hoyal lustitutiun of (irrat Hritain Hint ero. zuli. ass. (Smith a E.) A phystological and medical maid Winslow (Forlmu)-() Siserire lineanem of the Brain an Mind. sril edit. n.visud. l'ust svi. ppo ent, loa. (Hardwicke.)

## Periodicala received aince 15th November.

Madran Cuarterfy Jonral. April. Londoy Midical The
 and surx. Journal to Der. 111 . Phlladelphis Yedi. and som Reporter to Xisv.ex. I'hiladelphia Devital Conamos Butfalo Med. anid Sure. Jounnal, Nuv. Chicapo Medie duurnal. Yor. Phil. Med. Xims and Library, Dee la den Chrmist and Mrugkint, Xor. Am, Druegists Cirsent Dec. Londua I'ublishers' Circular to Nov. 15.

## Bookn and Pamphiets received during the Encin

The Functions and lisordiry of the. Reprouluctive Oram By W. Actun, M. KC'S. inl whtion, svo., pp. 21א. Chum ill \& Sons, 136e From the pultishers.
The Diseasen, Iujuries, and Malromrmations of the "lectur and Anizs, with remarks ou Habitual tionatipation. By 5. Ashton, P.K. M.C.S. 4 h dition, svo., 3p. 111. Churct \& Sons, is63. From the publishers.
Asthma, ita lathology and Trialment. By H. H. salim 3I.D., F.B.N. F.R.C.P. Phywician to (haring Croma Ho tal, and Lectiarer on Phisiolory and Patholory at its Ith
 the author.
A Treatise on the Pathology of the Lirinn. includine complate guide to its Aualysur. By J. I.. W. Thudicm M.1). sun., pp. 4u9. Churchill a Sous. Frum tire publishe Manual of Ophthalmoscopic Surgery. By Jabea lic senior Asst. Surgeon to the Boyal Westminnti r (phthatio Houpital srd edition, svo., pp. 289 . Churchill \& SoC 1868. From the publishers.

Soventh Annual Roport of the Linted Lunatic Angit of Nottingham.
Some valuable pamphlets from Dr. T. Sxinner of Lir pool, on Choloroform in Midwifery ; on Fistula and ita lod therapeutic Treatment; and on the Granulation of Hem cines.

## Exbsoriptions paid since 15th Hovamber.

Dr. W. H. Brouse, Dr. Easton, and Dr. W. J. Jones, aH Prescott ; Dr. H. A. (iordon, and Mosyry. A it mon of Bruckvilie ; Irr. J. A. Macdonald and Lr. Thomon Kingston; Dr. G. J. Potis, Omemes; Thos. Carer ${ }^{\text {P }}$ Strathroy; Dr. A.G. Walter, Yittaburgh, Penn.; Dr. H P. Spencer, Watertuwn, N. Y.: Dr. Angus McDonald, Dr. Gauthier, Dr. Dagenais, and A. G. Davideon, Een, aill 3lontreal; Dr. C. H. Boynton, Wella River, Vis; Dr Becker, belmorr.

## DEATH.

In this city, on the 4 th insh., Alazauder Willinm Arth Welisle, Esq.. M.D., zfed 32 years and six months. Dr. Delisle was one of the few Clanadians who did sent in the Crimean war, as Assistant Surgeon in Her Yial ty's forces.
me canada Lancet is published monthly at the rate one doitar, (or four shilinga sterting) per annum. Ran
tances may be made to W. E. Bowman, M.D., Edttor Proprietor, or to Mr. John Lovell.


