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CANADA LANCET.

VILLIAM EDWARD BOWMAN, M.D., EDITOR.

MONTREAL DECEMBER 15, 1863.

Vol. 1.

RR-VACCINATION.

Br WM. H. HINGSTON, M.D., L.R.C.S.E., moer of the Leopold Academy, \$c., \$c., Physician to the Hôtel Dieu, Montreal

Un the 18th May, 1861, an act was assented to by is Excellency the Governor General " To provide r the more general adoption of the practice of accination." That act provides that no public oney should be paid to any Hospital, unless it had small-pox ward; that the City Councils of Quebec, hee Rivers, St. Hyacinthe, Montreal, Ottawa, Ingston, Toronto, Hamilton, London, and Shernoke should contract with legally qualified edical practitioners for the vaccination of all ose who might come to them: and that con-mient places be appointed in each ward for a purpose. By that law, parents are bound to te their children to be vaccinated within three endar months after their oirth; to exhibit them the medical practitioner on the eighth day after ecination; . 1d to obtain from him a certificate successful raccination. But if the child is and unfit for vaccination, a certificate to that het is to be given, and every succeeding two muchs the child is to be taken to the medical ctitioner, until vaccinated, or found insuscephe of vaccine disease. Parents who do not comwith the requirements of this act, are liable, a conviction, to a penalty not exceeding five ilars; and no such plea of consiction should be officient defince against any complaint which the afterwards be brought against the parent or udian for non-compliance with the provisions of act, respecting the same child.

Such is the substance of a law which is good so M it goes; but which is defective in being too sited, and too partial in its scope. It was the ly of our Provincial Parliament to have followed legislatures of other countries, and to have med a law to render the practice of vaccination apulsory, not only in the larger cities, but longbout the prevince. Such a law would not we been considered inquisitorial, and would have ched persons of all conditions, and of every fality. As it is, the residents of the larger cities alone benefited; and such of them, only, as or, of their own good pleasure, to submit to the seted invitations of the public vaccinators. The aller towns, as Brockville, Prescott, Pert Hope, leville, Cobourg, &c., and all the numerous villaare unprovided with public vaccinators; while in lat. y districts, physicians in private practice, to on is left the duty of vaccinating, are rarely—illsome places in Eastern Canada, at least—are applied to for that purpose. The mass of the le intended to be benefited by this law are not essed with the necessity for, or the usefulness ecination—nay, many have a deep rooted preto against the practice of " putting a scab from

FEW REMARKS ON VACCINATION AND ; a cow upon the skin of a Christian." In this city, notwithstanding the policeman's alarm bell, notices in the newspapers, occasional promptings from the pulpit, and large posters in certain localia ties indicating offices for vaccination purposes, only about 400 have availed themselves of the services of the public vaccinators during the past two years; and of these, the greater number were vac-cinated when the act, through the agency of the

City Council, first obtained partial publicity.
Were all the rest attended to by private practitioners there would be no occasion to find fault; but it is not so: there are many families whose children never have been, and without some stringent compulsory law, never will be moculated with the vaccine virus. Yet small-pox is, par-crellence, a Canadian disease. It is rarely about from this city, and never absent from the country. In every town and village throughout the province numerous 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 loss of a loved one, by a disease which added to the usual horrors of death, the swollen distorted features that forbid the last embrace-nay even the last sad look of recognition. In those districts where smallpox is most prevalent, vaccination is unknown; and I am assured by professional gendemen of the highest respectability in country districts, it is useless to attempt to convince many of the humbler classes that here is any conservative influence in the practice. Many regard small pox as one of the necessary ills associated with our existence. The child must get its teeth, have measies, scarlatina, hooping cough, and small-pox. And some go so far as to expose the child to the contagion of the latter when its health is good, honing thereby it might run the gauntlet with greater comparative safet; The untutored savages in this country fly from it in terror; and when one is stricken with the disease (and it is supposed to have had more victims than the "fire-water," introduced by the beneficent white man) he drowns himself-preferring a resting place among the fisher to lying a bloated, putrid mass, with no one to venture near him to moisten his lips.

Tis strange a subject so deeply affecting the community, should not have received attention earlier : and 'tis passing strange that when attention was at length directed, a bill of the nature described-so partial in its score and action-should have been foisted to lead persons to repose in fancied security, believing something had been done to ward off this loathsome malady. I cannot say what the success has been in the other cities and towns mentioned in the act, but in this city we have not an entirely vaccinated population. Within the past few weeks, small-pox has carried off large numbers in the west end and in the east end of the suburbs: and here and there throughout the city it has marked

censure our City Council with the imperfect manner | operation in 1000 cases in each of four different in which the duty confided to it has been discharged; categories, together with the general result upon but I may observe, that, as the Council has taken all the men vaccinated." upon itself the duty-not commanded but permittad-of enforcing the law, that duty should be Results of Revaccination in a portion of the British Arms performed fully and entirely, or not at all. The partial success obtained by the public vaccinators, (Doctors Leprobon, Campbell, and Ricard,) is due entirely to their own zeal. These gentlemen have. in most instances, sought out those who were not vaccinated, and carried the lymph to them. It cannot be expected, however, that for the miserably small fee of 25 cents, medical gentlemen should leave their other occupations to travel far in quest of those who should be forced to go to them. Greater publicity is wanted; and people should be made to understand that there is a law to compel vaccination; and that law should make examples of those who endanger the lives of their own children and those of others by a non-compliance with it.

Throughout the whole of Europe the practice of vaccination has long been general. In France, Prussia, Bavaria, Wirtemberg, Denmark, &c., where a longer or shorter residence permitted me to become familiar with the sanitary laws of these countries, the practice is general among civilians, and compulsory among the military; and not not only one, but repeated vaccinations. Nor has received the property of the prope the British Government, though disrel hing anything seemingly inquisitorial, been less rigid in the enforcement of so good a law: and in a number of the Times for October, we read of an inquest on the body of a child dead of small-pox, where the Jury rendered a verdict amounting to manslaughter; against the parents, for neglecting to have the child vaccinated.

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

than of wisdom But weil founded doubts are entertained by physicians and others, concerning " e continuance of the protecting influence of vaccina...on. The scar upon the arm produced by the vaccine virus is not now regarded as a guarantee pour toujours against the occurrence of the more unsightly small-pox scars: upon the cheek. How much soever we may be disrosed to land the discovery of Jenner (and certainly no other of the present, or the past centuries can he compared with it in importance,) cases of smallpox occurring after successful vaccination are too! Recruits frequent, to re. if us to doubt there is a limit to; the duration of that protecting influence. On the · ontinent of Europe, this limitation was recognized and acted upon upwards of twenty years ago. Fifteen years afterwards, the subject was forced upon the attention of the British Army Medical department, when in 1858, a number of cases of small-pox baving occurred in the army, particularly in India, among persons who had been previously vaccinated, a departmental order was issued "that in future, every recruit should, on joining his regiment be vaccinated, even if he shot id he found to have marks of small-pox or of previous vaccination." A number of soldiers "in whom the marks in determining the general results; and ! beg of vaccination were not deemed satisfactory, were vaccinated, and the results were kept separate from

or appropriated its victims. It is not my desire to shows "the degree of success which attended the

who here good previous vaccin. inated : 1 acci 5 Ė raclu-)ve who l Who } Results. ares four k In those In those a İ ¥ Soldar A perfect vaccine pus tuh. .414.50 423.50 294.12 489.96 411.3 4443 A modified mot ١ vaccane pur-200 74 179.69 368.44 167.19 201.3 A failure in vaceine do. 34 76 26 81 842 44 843.85 8854 Recruit-Total. lum 1000 A perfect vaccine pur vaccine do. 4/2.85 800.13 320.46 257 80 8843 Total. 1000 1000 1000 1000 Result of Revaccination in the British Militia. bore doubtful ore no marka amall-pax. : accinated. marke É number ç Results. 9. F ٤ 2 * In those marks of those strike of Total Soldiere A perfect raccine pus-827 07 204.57 612.12 451.86 865 1508 A modified vaccine pu-101.78 286.44 198.94 192.59 289 A failure in vaccine do. 441 20 408,99 1148,94 355 56 484 Total .: 1000) 1000. 144 A perfect vaccine pus 851.14 295.00 415.18 585.08 85.0 4833 A modified vaccine do. 212.28 248.59 174.11 106.45 Recruit-:A failure in vaccine do. 486 59 256 41 410 71 309 52 465 Total. 1000 1000 1000

What is remarkable in the foregoing tables the fact that previous vaccination, or even previous small-pox, seems to have had but little influence direct attention specially to that fact to 6 those of the recruits"; and the following table observed the recruits said the following table shared in by many physicians—that the failed entertained. The returns furnished by the Wirtembecg army are strongly confirmatory of what I now state.

Result of Reserve anation in the Wirtemberg Armer

Degree of success of Revarri-	nal-ristrices of vac- fination there were retak, and among these the results per	Of case in the de- fective custries of varcination thore were 3.5%, and among these the re- sults per 1000 were:	of cases with no cratices of vacci- intion of small-tox there were 2,325, and amount these there-	Darks of previous and loss of the control of the co
Parfect .	310,04	250 7	337.3	318.5
M di.i- l	280 5	270.	191.1	2
None.	40 2	460,4	471.6	432.3

casional sufferers by small-pox would have come." less confirmatory. I regret I am not possessed of formost in all that science can elucidate or humascient will be obtained.

RESULTS IN 1000 RP VACCINATIONS.

	Number of Re-vac-	Perfect success.	Modified success.	Pailures.
Pressian, 1836-10.	216 428	456.3	213.0	32% 7
Paterian	46 093	347.3	220, 6	412
British Recruits	#1.686	396.1	220, 9	433
Wirtemberg	14 8°+	340.2	248. 3	411.5

Professor Heim states that in Wirtemberg, during the five years, 1833-7, though small-pox infection had been sixteen times imported into different before, had been followed by "modified success,"- the subject.

(after one or two trials) to successfully inoculate, with the vaccine virus, adults who had previously been vaccinated, is a certain index that the system is still saturated by, and under the protecting infor the re-vaccinated army is 2! And analysing many years before. This is a grave error which the 40 fatal cases of small-pox which, during the many years before. many persons have had cause to reg et they had ever last 20 years have occurred in the Prussian army, says Mr. Simon on the authority of Professor Heim, "we find that only four of the number were persons who (it is said) had been successfully re-vaccin-During the past 20 years, the period during which re-vaccination has been compulsory in the Bavarian army, not one death nor even a case of unmodified small-pox has occurred in that body of nearly fifty thousand men! Denmark has, during the same period, presented a like immunity; though like her sister kingdom she has been exposed to small-pox contagion during several epidemics.

l cannot permit myself to encroach at greater length on the columns of the Journal; and morelover, sufficient has been written to render it at least desirable, that some law should be enacted, and when enacted, enforced, for the universal practice of vaccination, and the more general practice of re-vaccination. In the mean time I should suggest that the Councils in the different cities mentioned Mr. Simon, speaking of the above figures, says: in the Act, give greater publicity to, and enforce "It is evidently impossible to argue that all who the observance of the law as it is, until we on revaccination yielded perfect vaccine vesicles | possess a law as it should be; and that the public would, on ordinary exposure to small-pox infection, vaccinators be invited to re-vaccinate the adult have become infected with small-pox " for "ino- p. pulation, and be compensated therefor, as for culation of lymph, whether vaccine or varielous, primary vaccination. And might we not secure the is, so to speak, a finer and more delicate test of co-operation of the many thousand vocateers and susceptibility to the small-pox poison than is the militiamen throughout the Province by inviting breathing of an infected atmosphere. On the other them to imitate the practice now followed by their hand, there could be little reason to doubt that brethren in voluntary service in Great Britain, and they would have been distinctively the endungered in compulsory service on the continent of Europe, des. Not that all or nearly all of them would and submit to be re-vaccinated. The example, athave suffered, but that, from among them, more tended with but little inconvenience, and, where than from among other vaccinated persons, the oc- public varcinators are to be juind, no expense, would have many imitators in those who would not The statistics of other continental States are not fail to perceive the comparative immunity from small-pox which the practice would have afforded. figures relating to the army of that country—ever This, no doubt, will already have suggested itself to many of those who peruse the statistics furmity prompt—France; but with the following, taken nished in this hastily written paper. To my own from the statistical report of the British army, suf- mind the subject has been suggested, most painfully, by observing, in the bed room of an able bodied young man dying of small-pox, a suspended bayonet and cartouche box, whose owner, by a little timely and trifling act, might have been spared to his country. To my professional brethren throughout the Province, I should argently recommend the duty as I clearly conceive it is a duty), of apprising the non-vaccinated among their patients, of the danger of the neglect; and the vaccinated, that the scar upon the arm is a guarantee of immunity from small-pox, which has its Not that we may ever hope to limit in duration. witness the entire disappearance of this loathsome malady-but reasonably to expect to limit, at least, and to deprive of its virulence, a disease which is frightfully common amongst us.

Montreal, 9th Dec., 1863.

Dr. Strak in the Archiv der Heilkunde, states that regiments of the army, there had ensued among he has noticed that the heart becomes enlarged in the 14,384 revaccinated soldiers, only — in the some cases of chlorosis, diminishing again on re-person of one whose re-vaccination, two years covery, and calls the attention of the profession to

Canada Zancet.

MONTREAL, DECEMBER 15, 1863.

Of all the public charities of the civilized world there are probably none in which, in proportion to the number of operations performed, more cases 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 globe where these blunders would be so long and so nationtly tolerated without murmuring, as they are in Montreal. And whilst we perfectly agree with every good citizen that this institution, on the whole, is a great blessing to the community, and that its affairs are admirably conducted by its governors and its committees of management, we must reluc- that the surgeon did not desire to have it noticed. tantly add-in all but one thing-the appointment and control of its attending physicians and sur- ments for which they are so incompetent? With geons.

practice of medicine within its walls, not that we have not noticed many errors, but that it would be useless to state cases where our diagnosis could possibly be called into question: in surgery however it is different, for carelessness in it is too palpable to be denied; we will therefore enumerate some of these.

First then is the loss of life from blundering cases of lithotomy: in one, the artery of the bulb was divided, and the patient allowed to die from hamorrhage; in another, the bladder was entered through the trigone, the prostate remaining untouched, and death took place from ir filtration of urine; 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 present at the second mentioned, and at the autopsy. We have also witnessed lately some very bad operations for cataract. In one, the iris was cut into with the knife, and the eye hopelessly ruined; in another, the vitreous humour was allowed to escape with the lens, and the patient rendered blind for We have been present too when the whole eye has been abstracted unnecessarily, as thought, and without 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 unfortunately 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-Dieu: one, a fractured tibia was straightened that had been permitted to grow together in an angular position; the other, the case reported on page 29 of this periodical, was a fractured arm which had been allowed to go out with a piece of dead bone pressing upon the bloodvessels and nerves of the part, to the great dis-comfort of the patient and discredit of this charity. Not long since, in an operation for the removal of a sumour from Scarpa's triangle, the femoral vein and other important vessels were divided, and the patient bled to death from the carelessness.

Two deaths have occurred from chlorofern one from the want of a stimulant before its administration, and although we do not know the care of the other, for we were not present, we have as certained that, as with the first, electrici g has not been available for resuscitation until too late to be of any service. The spine case which bade so fair for an excellent ossification was allowed to become displaced, and the poor man thereby robbed of his only chance of recovery.

It will be noticed that we have been eye wip ness of many of these misfortunes, although by no means, a constant attendant on the hospital We cannot answer for how many similar ones have occurred in our absence, and we are afraid that these surgeons will not enlighten us in this matter. It is but a week or two since we were informed of a case of death from ovariotomy; we do not know but that the operation was well performed, but we have been refused the notes of the case on the pla

But who are these men who thus hold appoint shame we confess that they are professors and chinical teachers in McGill College, or aspirants b We will not give our opinion concerning the its honours. We therefore call upon the leaders of this institution for some new rule by which to remove these blights upon its fame, or at least to adop some energetic course to prevent such men from ever again disgracing it by like operations. Justice demands the appeal, although past experience he shown that it will be useless.

> But we have other means of checking this sacrific of human life,-these outrages on our poor. The hospital is a public institution, receiving annual grants from government, and liberal contribution from our citizens, nay more, is itself a free and noble gift to us from men whose names can never he forgotten. We have therefore a right to insis that our sick poor whom we send to it for protes tion and care should have the best of medical attendance. As the guardians then of these and of the public welfare, it behooves us to enquire into the causes of such accidents, and the best mode of preventing them for the future.

> Let the governors remedy, then, the first and greatest error-of placing this hospital so complete ly, even to the very secretaryship, into the hands of medical men so closely bound together by one common interest and so incapable of managing even their own affairs-by listening no longer " their recommendations for the nomination of your physicians in preference to older and more # perienced ones, whilst so many of the latter as both ready and willing to accept these appoint ments, and to give their truly valuable services gratuitously to the poor. And let those selected be independent men, who by their presence may act as a kind of check on there careless professors.

> Let the secretaryship also be confided to some good honest citizen, who will not be interested in hiding errors of this kind, but who will affect every facility for free investigation into its affairs We have ourselves experienced much difficulty is acquiring information on account of the secretary being a medical man, and connected with McGill University.

> Let us employ no half-way measures in this make ter, for, from long indulgence, these professors cos sider that they have a right to control our hospital forgetful that they are but as invited guests, and

entitled to remain only so long as they perform gave the sensation of being scalding hot. In a their duty faithfully. Let a strict rule then be few days three angry looking ulcers formed where should be accepted for operations thus badly performed, for the rules of the hospital give them unlimited privileges in making post-mortem examinations, besides which they have a dissecting room in their college; they should therefore prepare themselves by study, if otherwise incompetent or inexperienced, before risking the lives of their fellow creatures. This rule alone would be found to preduce an immediate and marked improvement in the surgery of the hospital.

And finally let there be a rule established here s in Europe, that all operations must be performed on certain days of the week, except in cases of argent necessity, and that physicians generally be advised of them, and invited to attend and see ,

that these men do their duty.

Arb Books.

A PRACTICAL TREATISE ON THE ÆTIOLOGY, PATHOLOGY AND TREATMENT OF THE CONGENITAL MALPORMAtions of the Rectum and Anns. By William Rodenhamer, M.D. With plates Published by 8. S. & W. Wood, New York, 1860.

The style of this author is concise and agreeable, and his subject interesting; his work will well repay perusal, although its immediate study may not be required. Unfortunately it belongs to that class of books which a physician, having no cases of the tind to treat, feels indifferent in possessing, and scarcely willing to admit as necessary. It shows itself forth however in bold relief as one of the most important and useful, when he is called to operate on some unfortunate child thrown suddenly ! in his charge. Glad of the opper unity of examining its valuable pages, he will then agree with us on its extreme utility, and in considering that no medical library can be called complete without it. It is a large octavo of unwards of 400 pages, filled with beautiful lithographs; and besides separate and distinct treatises on the different species of malformation and their treatment, containing in elucidation of the subject, upwards of three hundrd cases, gathered from every reliable source, classified, and tabulated. By these we find that of 156 on which operations have been performed, 87 have recovered: this is encouraging, for of 42 for which nothing had been done, all but twelve succambed. Finally, fifty pages are devoted to the different modes of performing the operation for abdominal artificial anus, which are plainly illustrated by the lithographs. Nor can we close without remarking that in admiring this handsome wlame we compliment its publishers; they too, richly deserve our praise.

Interesting Cases.

OCRIOUS EFFECT OF TINCTURE OF IODINE .- A patient, an elderly man, having painted himself with strong tincture of iodine, on the side a little above the hip, for the relief of pain, soon afterwards exserienced a severe burning in the part. A poul-lice was directed, which although it removed the freater portion of the metalloid, rather aggravated than relieved the distress. Cold water, saturnine solutions, infusions with opium, and the various linds of ointments, not only failed to alleviate, but

established that every surgeon who destroys life the iodine had been appplied; the burning howthrough ignorance of anatomy, or by culpable ne-ever still continued, and every thing, even ice gligence, be summarily dismissed. For no excuse itself, felt to him like molten lead. All that ingenuity could suggest proved unavailing to relieve this symptom for upwards of three weeks, when a mixture of chalk with hard was prescribed as an experiment; this acted in a most extraordinary manner by completely removing the pain in less than an hour; it however returned somewhat after a time. This ointment was continued to cicatrization, which was unusually tedions. At each time of dressing, the feeling produced by the cool salve was described by the patient as delightful.

I have been informed by a brother practitioner that in another similar case, when the excessive pain was in the integument of the scrotum, every application proved useless until the part was bathed with cream.- Editor.

RICINUS COMMUNIS

THE LEAVES OF THE CASTOR-OIL PLANT AS A GALACTAGUGUE.

By C. H. F ROUTH, M D., M.R.C.P.E., M.R.C.S., Physician to the Samaritan Free Hospital for Women and Children,

The galactagogue properties of castor-oil leaves were known to the Spaniards of Peru and Chili. M. Frezier, engineer in ordinary to the French king, in his narrative of a voyage to those parts. performed during the years 1713-1:-14, stopped for some days at San Vincente, one of the Cape de Verde islands. In his description of that island, he states, that among other plants he saw there the Palma Christi or Ricinus Americanus, by the Spaniards in Peru called Poterilla; and they affirm that the leaf or it applied to the breasts of the nurses brings milk into them, and applied to the loins draws it away.

The employment of eastor-oil leaves as a galactagogue in this country, dates since 1850. paper read before the British Association, at Edinburgh, in 1850, and afterwards published in the Lancet, Dr. McWilliam brought the effects of this remedy before the profession. "The leaves of this plant in Bonavista in the Cape de Verde Islands are known as the Bofareira, which is in reality the Ricinus Communic of botanists, and occasionally the leaves of the Jatropha Curcans, both belonging to the natural order of Euphorbiaces. Two kinds are known in these islands, the red and the white. They are both varieties 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 emmenagogue.

In cases of childbirth, where the appearance of the milk is delayed, a circumstance of not unfrequent occurrence in those islands, a decoction is made by boiling well a handful of the white Bofareira in six or eight pints of spring water. breasts are bathed with this decoction for fifteen or twenty minutes. Part of the boiled leaves are then thinly "pread over the breast, and allowed to remain until ail moisture has been removed from them by evaporation, and probably in some measure, by absorption. This operation of fomenting with the decoction, and applying the leaves, is repeated at short intervals until the milk flows upon suction by the child, which it usually does in the course of a few hours.

On occasions where milk is required to be produced in the breasts of women who have not given

birth to or , ackled a child for years, the mode of ' treatment adopted is as follows:-Two or three handfuls of the leaves of the Ricinus are taken and treated as before. The decoction is poured, while yet boiling, into a large vessel, over which the woman sits, so as to receive the vapour over her thighs and generative organs, cloths being carefully tucked around her, so as to prevent the escape of the steam. In this position she remains for ten or twelve minutes, or until the decoction cooling a little, she is enabled to bathe the parts with it, which she does for fifteen or twenty minutes more. The breasts are then similarly bathed, and gently rubbed with the hands; and the leaves are afterwards applied to them in the manner already described. These several operations are repeated three times during the first day : on the second day, the woman has her breasts butned, the leaves applied, and the rubbing repeated three or four times. On the third day, the sitting over the steam, the rubbing, and the application of the leaves too, with the fomentation of the breasts, are again had recourse to. A child is now put to the nipple: and in the majority of instances, it finds an abundant supply of milk. In the event of milk not being secreted on the third day, the same treatment is continued for another day; and if then there still be want of success, the case is abandoned, as there heard of two examples. In the one so fare

Women with well developed breasts are most easily affected by the Rofareira; when small and this case, however, I am not aware if the beam shrivelled, the plant is said to act more on the uter- were kept warm. If not, it is conceivable that ine system, bringing on the menses, if their period effect similar to that observed with diaphores be distant, or causing their immoderate flow, if should occur. These remedies, it is known, w

their advent be near.

Dr. McWilliam gives the cases of three women in whose breasts milk was induced by the employment of the Bofareira; in all of which pregnancy had

occurred some years previously.

Dr. Tyler Smith has made some experiments upon the use of this plant. He tried the effects of the leaves in five cases, in three of which it proved successful. In one it produced a copious flow of the catamenia, in another leucorrhoa. From his experiments he believes that the castor-oil leaves, applied externally, have distinct galactagogue effects. He followed out in his experiments the descriptions given and quoted above from 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

leaves and stalks internally as a decoction in this country. I was led to do so from having frequently observed that suckling women, after taking a dose of castor-oil, noticed that they secreted a larger quantity of milk, a result which I certainly connot entirely attribute to the removal of accumulated fæcal matters; because I have not seen the same full effect from the use of other purgatives. Dr. Tyler Smith alludes to this effect having been noticed by others, although, he adds, it may do this by moderating febrile excitement. It occurred to me, there-

fore, 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. have now given the remedy in several cases, and I must say I have not been disappointed. flow has been remarkably increased. A few objec-

tions against its use, however, should be men-

tioned.

Some patients complain while taking it of, sensation in the eyes, not exactly amounting a pain, but accompanied with dimness of sight do not think this is due to any peculiar effect & the custor-oil plant. I have only noticed it a weak women; and rather attribute it to the former flow of the secretion, an effect exactly analogue to that which is observed in nurses who have suckled too long, when the child takes the break

A second is that the dose after a time require t he much increased, as the remedy appears to be its effect. A temporary suspension, and the mi-stitution of another galactagogue, remedies the

inconvenience.

A third objection is the difficulty in procung the leaves or stalks in sufficient quantity. Its pears that they are not imported into the country and all those that can be obtained are production botanical gardens. The larger number a ployed by me came from that of Mr. Butler, c Covent-Garden. The importance of this remedy an galactagogue, will doubtless ere long cause its is portation, or growth in larger quantities.

The last objection applies to an occasional effect The roots : observed after its administration. decuction were before said to be diuretic. In leaves in decoction are occasionally so also. the person is supposed not to be susceptible to the I could hear, a large quantity of water was der influence of the Bofareira. passed under its influence, and it did not appears produce any increase of the secretion of milk h not not as sudorifies if the surface of the aking kept cool, but as diuretics. If an analogous o planation applies to galactagogues, it points as the importance of keeping the breasts very was when the decoction of castor-oil leaves is given ternally. Moreover, we are led to this mode management by noting the manner in which the remedy is employed in Bonavista. Hot former tions of the leaves are there always applied local to the mammary region. Where this diuretic of is produced, it is well therefore to smear the exm of the leaves over the breast in the same man as a belladonna extract is sometimes used, with warm ordinary poultice outside it, and this con nation will probably fulfil all the indications in treatment. In the second case, both the secret of the urine and the milk were much incress and to such an extent as to make it obligatory! the sake of the patient's strength to discontinue I am not aware, as both of these cases occurred the practice of others, whether hot fomentation were also applied to the breasts. The breasts rule should always be kept warm, when this dy is given; and when the diuretic effect is F duced, not only kept warm with poultices, but " smeared over with extract.

> When the castor-oil leaves are given as an in sion to women who are not suciling, I have served two effects, both of which seem to deal its specific action. First, it produces internal pa in the breasts, which lasts for three or four in Then a copious leucorrhœal discharge takes pl after which the effect on the breasts entirely dis pears. During the duration of the pain at breast I make no doubt that, if a child had be applied, the suction would have determined lacteni secretion. This, however, is an experime

I have never yet observed any very decided action of the leaves as an emmenagogue. In some have been a strong decoction or liquor, and an ertract, the dose of the former being from one to two drachms daily, in water; of the latter five grains .- Work on Infant Feeding.

GEN-SHOT WOUNDS OF THE KNEE-JOINT.

communication to the American Medical Times, amputation should says:—It sometimes happens that a musket-shot nosis is made out. his the knee in such a way as to open the joint to peater or less extent, without breaking hone, and the patient gets well with a good limb. I have men three cases of this kind, all of which terminated avorably. But if the articulating end of either be splintered by the bullet, the nature of the case ' patient will ultimately lose his life if the limb be not removed by timely amputation.

The most dangerous cases, however, are those Take the stomach of a calf fresh from the butcher; wherein the bullet enters the limb at a distance cut off about three or four inches of the upper or (greater or less) from the joint, and without openthe bone in such a way that the fissures extend to the cartilage covering the articulating end of the character. The patient may do well for eight days | end of this time it is fit for use. oreven two weeks after he is wounded, and then d a sudden be seized with great pain in the joint, water immediately after meals. followed speedily by heat, tenderness, and much tameously, the inflammation will extend rapidly from the joint to the thigh, and in a short time innow wish to remove the limb by amputation, he This preparation, which I propose to call "Ren-cannot find healthy tissues through which to openinet Wine," has many advantages over the watery estion of the knee-joint, and ere certain to turn 45 soon, therefore, as this form of traumatic arthris developes itself, its execer ngly dangerous charefore the inflammation has had time to spread brough the thigh in the form of diffuse cellulitis. all such cases amputation must be performed arly, if it be expected to save the patient.

With regard to the treatment of gun-shot injuries general of the knee-joint, I believe that in all

to which I have never found a patient willing to ! plied to the seat of injury, quietude and ice being submit herself, and so have not been able to prove. the most reliable agents for cure in such cases. If, however, the loss of substarce be extensive, as in case of certain wounds inflicted by the explosion of women it seems to possess scarcely any influence. shells, primary amoutation should be performed. The preparations of this drug which I have used Again, if the bullet pass completely through the joint, cutting simply a groove on the articular surfaces, without comminution or splintering, I believe it to be our duty to try to save the limb; but if severe arthritis should supervene, it will then become our duty to amputate without d lay. In all cases of wounds in the neighborhood of the kneejoint, associated with comminution and splintering Dr. Lidell, of Stanton Hospital, Washington, in a of the articular end of treats and a stant and a sta of the articular end of either the femur or the tibis,

SENSET WINE

By Dat. GRORGE ELLIS, DUBLIS.

About two years since, failing to obtain any the femur or the tibia happens at the same time to benefit from the pensine then usually sold. I had recourse to the direct preparation of a solution of sentirely changed. The patient will not make a gastric juice from the calf's stomach; and so gratigood recovery. Sooner or later the joint will swell fying has been the result, so satisfactory and rem, and become highly inflamed; great constitution markable in effects and remedy in gastric derangesmal disturbance will also be developed, and the ments, that I wish to communicate to the profession the mode of preparation which I have found the most convenient, and the best for every purpose.

Take the stomach of a calf fresh from the butcher; cardiac extremity, which, containing few glandular ing the cavity of the synov al membrane, or perhaps follicles, may be thrown away. Slit up the stowithout even coming into relation with it, shatters much longitudinally: wipe it gently with a dry natkin, taking care to remove as tittle of the clean mucus as possible. Then cut it into small pieces, buse, or even into the synovial cavity itself if the the smaller the better, and put all into a common splintering happens to be very great. The danger wine bottle. Fill up the bottle with good sherry, of these cases is much increased by their insidious and let it remain corked for three weeks; at the

Dose.-One teaspoonful in a wineglassful of

Test of Quality.-One teaspoonful will solidify, welling; at the same time he has constitutional to the consistency of blanc-mange, in from one disturbance in the shape of surgical fever and great to two minutes, a cup of milk (say eight to ten mattenances. If the traumatic origin of this acute ounces), at the temperature of 1000 Fahr. In this whittis happens to be overlooked, and if the case action on the caseine of the milk, it may be said beput under treatment as if it had begun spon- that the wine alone would have some effect, but wine will not solidify milk, nor will it curdle it at all except at a much higher temperature, and in

much larger proportion than the above.

nte; and before long the thigh will be converted infusion of rennet which is obtained from the salted tho a vast abscess communicating with the joint, and dried calls stomach (used largely in cheese These are the so called cases of secondary inflammaking). The latter is also a good preparation, solidifying milk in the same way while it remains t badly if the limb be not amputated in season. fresh; but it is much more troublesome in the making, and in warm weather it soon begins to react on the animal matters contained in it, and becomes ther should be recognized, and the limb cut off spoiled. For these reasons, it cannot conveniently be used in medical practice. Rennet wine, on the contrary, is so easily made, requiring no salting or drying of the stomach, is so inexpensive, and can so readily be prescribed in private and in hospital practice, that I have little doubt, when known, it will become one of the most valued remedial articles in the hands of the profession.

as synovial sac be opened or not, an effort should I recommend the employment of good sherry, as made to save the limb, provided the loss of sublece is not great. For this purpose the patient infusion perfectly sound for any length of time, and hould lie still in bed, and have jee constantly aplece is not so strong in alcohol as to suffer any apparent

ciple of the rennet.

To the physiologist, it is unnecessary to say, that this remedy should be given after or during, not before, meals. A single dose, given daily after dinner, I have found quite sufficient in the general run of cases requiring it. How this small quantity can act so speedily and effectively it is, perhaps, not easy to explain, when we consider the argo supply of the gastric secretion necessary for the thorough digestion of an ordinary meal. action is, propably due to those indirect chemical; 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 small portion of food into healthy albuminose by this small quantity of sound gastric juice, may induce the same healthy action 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 solutions.

I have often been forcibly struck by the magical effect of this small dose in removia offensive odor fron the breath of young persons,-a distressing symptom, sometimes aggravated rather than relieved by purgative medicine; and I may also mention, that in one of these cases cod-liver oil was easily tolerated afterwards, though never before. 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 microscope, unchanged, though imbedded in the solidified caseine; and the digestion of oil, taking place only after passing the orifices of the pancreatic and biliary ducts, is entirely intestinal; 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 matters, 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 pan-creas and liver. Medical Times. From Braithwaite.

To Correspondents.

District Waters.—Peppermint and other waters, although retaining this mame, are rarely distilled. They are made up extemporaneously by rubbing one drop of the essential oil with a few grains of carbonate of magnesia, stirring in gradually an ounce of water, and filtering. In prescription containing any other powder, the oil is triturated with it, and the mixture made up without the necessity of necessity of filtration. previous flitration.

previous filtration.

To purify Lard.—To every eight pounds of lard, add an ounce of powdered alum, and a table-spoonful of common salt. Melt it in a water bath, stirring it frequently, until of the heat of the boiling water, when it must be skimmed and allowed to cool. Next, turn it out of the vessel, scrape off the sediment, and wash, and work throughly in a running stream of water.
S.—The Montreal General Hospital contains at present

8.—The montreal General Hospital contains at present eighty-two occupied backs.

**Phild Magnessa:.—Add three pounds of carbonate of magnesis to ten gallons of water, before putting it into a soda cylinder, and pump in the usual quantity of gas employed in making soda water, and you will have ten gallons of the finest saturated fluid magnesis, the directions for which will be the same as those for Murray's.

Medical Works published in Great Britain from the 18th October, to the 18th November, 1863, with their sixes, numbers of pages, publishers' names, and prices in sterling.

Beale (Lionel S.)—Urine, Urinary Deposits, and Calculi, and on the Treatment of Urinary Diseases. 2nd edit. post \$70.pp. 464, 8s. 6d. (Churchill.)

loss of solvent power in taking up the active prin- Bird (S. Dougan)—On Australasian Climates, and the cine of the reputet

sumption. 8vo. pp. 174, 7s. 8d. (Longman.) Gardiner (W. T.)—Outline Figures for Recording Physics Diagnosis; for the use of Students and Medical Practice.

Diagnosis; for the use of Students and Medical Practitioners. Svo. 1s. 6d. (Simpkin.)

Hewitt (Graily)—The Diagnosis and Treatment of Disease of Women, including the Diagnosis of Pregnancy; founds on a Course of Lee-area delivered at S. Mary's Hospin Medical School Svo., pp. 653, bis (Languan.)

Hingeston (James Ausley) — Topics of the Day, Medical Social, and Scientific. Post svo., pp. 4d., 7s.6d (Churchill, Hilton (John)—On the Influence of Mechanical and Physical Courts and Rest in the Treatment of Accidents and Supress

logical Rest in the Treatment of Accidents and Sugar Discusses, and the Diagnostic Value of Paint: a Course Lectures delivered at the Royal College of Surgeons England in 1860, 18d1 and 1825, 1890, pp. 500, 186, 1861.

Lectures delivered at the Royal College of Surgeons e England in 1960. bed and 1862. See, pp. 500. 186. (Bell Holt (Barnard) - On the Immediate Treatment of Strictus of the Urethra by the employment of the "Strictus of the Urethra by the employment of the "Strictus Dilator." 2nd edit. See, pp. 116, 38, (Churchill). Laycock (Thomas) - The Principles and Methods of Med cal Observation and Research, for the use of Advana Students and Junior Practitioners, 2nd edit. with a pious Indexes of Diseases. Past Svo., pp. 426, 38.4 (Simpkin.) (Simpkin.)

Savory (W. S.) On Life and Beath: Four Lectures deliver at the Royal Institution of Great Britain Past vo. p. 206, 5s. (Smith & E.) A physiological and medical wer Winslow (Forles)—Obscure Diseases of the Brain as Mind. Srd edit. revised. Post 8vo., pp. 640, 16.6 (Hardwicke.)

Periodicals received since 15th November.

Madras Quarterly Journal, April. London Medical Times to New. 21. Am. Medical Times to Dec. 12. Boston Medical Stark Surg. Journal to Dec. 10. Philadelphia Med. and Sur Reporter to New. 23. Philadelphia Dental Cosmos, D. Buffalo Med. and Surg. Journal, New. Chicago Medical Surg. Journal, New. Chicago Medical Surg. Journal, New. Chicago Medical Surg. New. Phil. Med. News and Library, Dec. London Publishers' Circular to New. 13.

Books and Pamphlets received during the Mouth

The Functions and Disorders of the Reproductive Oras By W. Acton, M.R.C.S. 3rd edition, 8vo., pp. 21s. Churd ill & Sons, 1832. From the publishers.

The Diseases, Injuries, and Malformations of the 'lects and Anus, with remarks on Habitual Constipation. By J. Ashton, F. R.M.C.S. 4th edition, 8vo., pp. 41. Churd & Sons, 1865. From the publishers.

Asthma its Publishers.

Asthma, its Pathology and Treatment. By H. H. Sah M.D., F.B.S., F.R.C.P. Physician to Charing Cross Ho tal, and Lecturer on Physiology and Pathology at its Ha cal School. 8vo., pp. 372. Churchill & Sons, 1860. Fr the author.

the author.

A Treatise on the Pathology of the Urine, including complete guide to its Analysis. By J. L. W. Thudon M.D. 8vo., pp. 429. Churchill & Sous. From the published Manusl of Ophthalmoscopic Surgery. By Jabes Hogenior Asst. Surgeon to the Royal Westminster Ophthalm Hospital. 3rd edition, 8vo., pp. 298. Churchill & 50 1863. From the publishers.

Seventh Annual Report of the United Lunatic Arph of Nottineham.

of Nottingham.

Some valuable pamphlets from Dr. T. Skinner of Liv pool, on Choloroform in Midwifery; on Fistula and its lot therapeutic Treatment; and on the Granulation of Ma

Subscriptions paid since 15th November.

Dr. W. H. Brouse, Dr. Easton, and Dr. W. J. Jones, all Prescott; Dr. H. A. Gordon, and Messrs. A. P. Gordon, and G. P. Thos. Carre, W. Strathroy; Dr. A. G. Walter, Pittsburgh, Penn.; Dr. B. Spencer, Watertown, N. Y.; Dr. Angus McDonald, Dr. Gauthier, Dr. Dagenais, and A. G. Davidson, Esq., all Montreal; Dr. C. H. Boynton, Wells River, Vt.; Dr. Becker, Benore. Becker, Belmore.

DEATH.

In this city, on the 4th inst., Alexander William Arth Delisie, Esq., M.D., aged 32 years and six months. Dr. Delisie was one of the few Canadians who did serv in the Crimean war, as Assistant Surgeon in Her May

ty's forces. The Canada Lancet is published monthly at the ratone dollar, (or four shillings sterling) per annum. Est tances may be made to W. E. Bowman, M. D., Editor Proprietor, or to Mr. John Lovell.

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