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## BRTTISTI ANTRRICAN JOURNME

OF

## MEDICAL AND PHYSICAL SUIENCE.

VoL. III.]
MONTREAL, MARCH, 1848.
[No. 11

Anr. XXXVIIl.-ON TXPIIUS OR SIHP FEVER, AS WITNESSED AT GROSSE ISLE.
By Geo. M. Dovelas, M.D., Medical Superintendent, Quarantine Establishment, Grosse Iste.
Typhus and Typioid Fever, populaty known at different periods, from its prevalence in particular localities, as Jail, Camp, Hospital, Ship, Ruad, or Irish Fever, is unquestionably one of the oldest diseases of which mention is made by historians. From the carliest ages, it has been remarked, that the accumulation of ill-fed people, in situations where ventilation and cleanliness are neglected, generates fever of a malignant type, which propagates itself in a manner more certain than any other disease. Thucydides ascribes the first great plague of Athens to the introduction by Pericles of multitudes of rustics into the city, and who were crowded together in huts within the watis; and Livy imputed the first great phague of Rome to the mumber of inhabitants pent up within its narrow limits. Medical writers are agreed in attributing to these causes the great plagues that devastated the city of London at different periods. Defoe, in his History of the Plague, very wisely counsels the authorities, "that they would consider of separating the people into smaller bodies, and removing them in time farther frem one another, and not let such a contagion as this (plague), which is indeed chiefly dangerous to collected boties of people, find a million of people in a bodly tegether again." The great fire of London did this for them the following year. The progress of civilization, the improvement in the moral and physical condition of the masses, and the great and increasing attention paid to cleanliness, ventibation, and drainage, together with a wore regular and certain supply of food, have tended to remove many of the causes of fever in Eu:ope. In Ireland we still find it indigenous; and though I am not prepared to go the length of Dr. Lombard, who asserts, that the freize coat of the Irish labourer is its depository and vehicle, fet we have in this country abundant proofs that Typhus Fever is every year imported by the lrish emigrants, and by no other. Mr. Farr, the Registrar-General, has also Hown, that in the three great "avenues by which the Irish labourer enters England, viz., Bristol, Liverpool, and Glasgow, their crowding to excess in lodming-houses.
their loathsome diet and filth, are productive of fever in these cities." And he remarks, at the same time, " that in thus directing attention to a weighty sanatory fact, it is far from our intention to convey any reflection upon the Inish people, as it can be shown that a few years back the English were as bad."-(MacCulloch's Staiistics.)

A reference to the Tables annexed to this, will exhihit a yearly importation of ferer into Canada by emigrants. Tle greater or less prevalence of the disease in treland, has been observed to depend upon the crop of the common food of the people, the potato. Thic almost total failure of this esculent for the last two years, has produced a scarcity amounting to famine in some parts, and has thus augmented, to a degree hitherto un. known, the usual concomitant of famine, feecr. Hence we witnessed last year the melancholy sight of every passenger vessel, with Irish emigrants, amiving freighted with this disease. The same was seen at all the ports of this continent where emigrants landed. The greater mortality in vessels s:oming to the British Provinces, may be attributed principally to three causes: 1st, the greater lengil of the vogage ; .2 d , the character of the passengers; and 3d, to being more crowded.
lit, The average length of a passage to Quebec may be estimated at one-third more than to New York, in consequence of the tediousness of the Gulf and Riter navigation, and the inferior class of vessels employefing the timber frade.

2d, The higher rate of passage, and the restriction imposed hy the system of bonding in New York, have the effect of driving all the aged, sickly, poor, and destitute, to seek the route of the British Provinces. And.

301, The law limity, in the United States, the number to one adult to every fourteen superficial feet, and counts all souls on board. The English Passenger Act limits the number to one adult to cvery ten feet, and permits infants under twelve months to pass free. These causes will explain the greater mortality and morbility of passengers arriving in the British Provinces.

The chief circumstances which tend to render fevers commonicable from one person to another she found to be,

Ist, Humidity of the atnosplere:

2d, Deficient supply of food.
3J, Filth and imperfect ventilation.
It would be difficult to find any place where these three circumstances are combined in such a degree as in the hold of an Irish passenger vessel. Firstly, in addition to the usual dampness of a ship, you have in an emigrant vessel the humidity caused by the daily distribution of fresh water in smali quantities to each indi. vidual passenger, and which, being kept by them in tins and pots in and under their sleeping berths, gets capsized very often by the rolling of the ship, and thus adds to the general dampness; and, in ill-regulated vessels, the passengers are permitted to wash their clothes in the 'tween decks. The air of the hold is thus always surcharged with moisture, while its temperature is kept up by the heat given off by an accumulation of living bodies.

2 dly , The supply of tood is many cases limited to a pound of bread-stufls, or oatmeal, to cach adult per diem, and this often in a moully and damaged state. Thousands of the emigrants who arrived in Canada last season had no other sustenance on the voyage.

3dly, The pecoliar nature of a ship's hold is such, that ventilation, while the ship is under weigh, is all but impossible, in the only way in which perfect ventilation is obtained, viz., by passing a current of pure air through the hold. Wind-sails effect this in a very insufficient manner; and when, in rough weather, it becomes neeessary to fasten down the hatches, the little supply of air which enters by them is shut out. Of the passen. gers a great proportion are women and children, who are unable, in many instances when the weather is stormy, to avail themselves of the miserable "cabinets d'aisunces," (as when these do exist they are generally placed in the bows of the ship,) and are consequents obliged to pass their evacuations in the hold. You have here combined all that could by any possibility generate a foul atmosphere; and when to this you have febrile miasma, the only wonder is that any escape the disease, as there is no running away from it. On visiting a passenger vesssel, such as thus described, in a morning before the emigrants lave come on deck, I have seen a stream of foul air issuing from the hatches as dense and palpable as seeri on a foggy day from a duag heap or range of hot-beds; and rarely did I find it necessary to inquire if fever prevailed on board; that peculiar and characteristic odour which belongs to Typhus Fever pationts was perceptible to the senses on stepping on the deck. To the foregoing causes ought to be added, the moral and depressing influence of fear of shipwreck; and grief at leaving their native land-both powerfully predisposing causes of fever,

The character of the disease, as witnessed at the Quarantine Hospitals, did not differ essentially from that so often and so well described in this country, as well as in Europe. The three great systems were found affected more or less in all cazes. In some instances, the organs constituting the nervous system were more prominently affected; such cases were more frequently seen in the better fed seaman, or English em:grant, who were occasionally found mixed up, in Liverpool vessels, with we Irish. In these cases the disease was ushered in with intense headach, great pain in the back and limbs, hoodshot eye, and early furious delirium. In some rare instances the sensorial faculties were overwhelmed at once as completely as in apoplexy. A stout healthy young man of 18 , was struck down with such an attack on board the barque "Gilmour," in which vessel he was an apprentice: he expired in twelve hours. A similar case was witnessed in the ship "Mail", from Liverpool; a stout seaman was attacked, and death supervened with equal rapidity. Both these vessels were unusually sichly. These cazes are cited to prove the power of concentrated miasm acting on the nervous system.

The organs of secretion and excretion were more freguently affected than any other; such cases were invarially found most troublesome to treat, and more frequently had a fatal termination. Freguent observation convinced us of the correctness of Dr. Cheyne's remark, that dysentery was sometimes converted into fever, while, vice versi, lever was converted into dysentery. When the symptoms of fever were exchanged for those of dysentery, it was probably by the irritation of the mucons coat of the small intestines and stomach extending to the large. Sydenham expressed the opinion, that dysentery is a fobris introversa, or turned in upon the intestines.

Cases in which derangement of the circulating system predominated, were not of such frequent occurrence as compared with others.

Petechio and maculx were found in many cases, but were not so constant and universal as to justify our. classing Typhus in the list of cxanthems. Epistaxis was a troublesome accompaniment, and such cascs where they did not terminate fatally, had a long and: tedious convalescence. Dr. Benson, one of the medical attendants at the Quarantine Hospitals last season, a gentleman advanced in years, and for a long period connected with a large fever hospital in Ireland, fell a victim to an atlack in which great hamorrhage from the nose and fauces was a prominent symptom. On its advent he resigned himself to death, saring the had
never seen such cases do well in elderly people. He died on the fourteenth day.

Meteorism, or tympanitic swelling of the belly, was another unfavourable symptom, occasionally met with towards the close of fever. A medical assistant in the Hospitals in 1836, who died from Typhus, had this distressing affection supervene on the seventeenth day. In his case it was ascertained, by a subsequent postmortem examination, to have been caused by weeration of the ileo-ccecal valve. Forty-eight hours previous to his dissolution, there was as complete a reversion oi the peristaltic motion, as in the most perfect case of strangulated hernia, as evinced by constant vomiting of fecal matter. Severe and protracted cases, especially those which ran into dysentery, were often complicated with excoriation and sloughing sores of the back, sacrum, and hips; the irritation and exhaustion produced by these frequent'y turned the scale against the unhappy suterer. Various topical applications were made to these sores, and means adopted to take off pressure. Among the former of these was a weak solution of Mr. Lednyen's disinfecting fluid (solution of nitrate of lead). Marked benefit was obtained by its use in many cases, and in all it corrected the eflovium which so constanly attends large sloughs. In two of the cases where it was so uscd, it brought on lead colic.

Inflanmation and swelling of the parotid gland was an occasional event after the fifteenth day; it was always looked upon as an unfavourable symptom, terminating often in gangrene and death with us.

A mong the irregular and anomaious caves which occurred, were two or three, in which there existed an enormous craving for food, chiefly for meat, and any kind would be swallowed with avidity. This took place in each instance during the height of the fever, and at a time when the tongue was dry, cracked and glazed, the face flushed, and the pulse over 100. A similar phenomenon was observed during the progress of the fever with which Dr. Painchaud, the Senior Physician of the Marine and Emigrant Hospital of this city was attacked. In his case, during the ingravescence of the disease, and at various periods afterwards, he was seized with an inordinate desire for food, which he eat with avidity, swallowing large pieces of beef steak imperfectly masticated. His convalescence was tedious, and accompanied by diarrhea. I find that Dr. Satterley relates an analogous case, in the Medical Transactions, vol. v. Art. sxii., where the desire for food re-appeared on the fifth day, with a craving which it was impossible to satisfy. When food was not allowed, various indigestible substances were devoured in its stead. In this
case the disease extended, with numerous variations, to upwards of thirty days, when the fever unequivocally subsided, and the patient gradually recovered. A greater number of deaths took place from relapse after fever and from dysentery, than from fever itself; in both instances induced by errors of diet, which the greatest watchfulness cou'd not prevent; or from sudden atniospheric changes, to which the convalescents were exposed in hospitals built of boards, and constructed with a view to free ventilation. The trea ment was necessarily modified in different cases, according to the predominance of diseased action in the different organs, whether in the brain, chest, or aldomen.

General bleeding was rarely employed, as few cases were seen in the very outset, when this remedy, if used at all, is alone justifiable. I fully concur with Dr. S. Smith in the opiaion, that "it is in vain to hope to terminate fever hy astroke of ant that when once the disease is set up, is advances with a step as stcady as time, and, like time, it never retraces a step." Many of the medical gentlemen in charge of the Hos. pitals at Grosse Isle Jast season, had great faith in emetics in arresting the disease, but all sooner or later gave up their use, from a conviction of their utter inefficacy. Cleanliness, quietness, cool drinks, gentie aperients of calomel and rhubarb, or senna and salts, so as to produce two or three stools in the twenty-four hours, with three half pints of grued or arrowroot per diem for diet. were the chief means resorted to during the progress of the fever. If head symptoms showed themselves, the douche was used, and a single fold of linen cloth wet with cold water was kept applied to the shaved scalp. If there still existed great restlessness and insomnia notwithstanding these applications, recourse was had to hyosciamus, as loing experience has taught me, that delirium, coma, and death, often ensue, where attention to the important point of obtaining sleep is neglected. Stimulants were rarely employed in the early stage of the disease; towards the close, and when the struggle came, brandy and wine were freely used, and when these failed to rouse the sinking powers, great benefit was often derived from the administration of large doses of gum-camphor; doses of 20 to 30 grains three times in the twenty-four hours were given, in substance reduced to a powder by means of a drop or two of spiris of wine. I have witnessed the most astonishing effects from the use of this drug, in cases where there was almost total insensibility, a thread-like pulse, and complete loss of muscular power, as evinced by the sliding down in the bed. In such cases re-action has been brought on, and the flagging powers rccalled by it, even when wine and brandy by the half pint had failed to
stimulate. Tartar emetic was used with benefit where the disease showed itself in the chest.

In the abdominal affection, where there was much purging, starch enemata with laudanum were administered, and a rag wet with turpentine was applied externally. This form of the disease was always the most troublesome and unmanageable, frequently bafling all the curative means employed. Alum, the miner al acids combined with opium, chalk with and without apiom, and the whole catalogne of astringents, were tried by the young medical men, fresh from the schools, ant having great faith in drugs. I did not find one who was not diegusted sooner or later with his pet remedr.

The disease is both contagious and infectious. In proof of which I need only refer to the Table (2) apperded to this, to show how unerringly it was contracted by those whose duties brought them in contact with the sick in hospitals or ships. On the wher hand, solitary cases placed by themselves, where strict attention was paid to cleanliness and ventilation, frequent change of the clothes of the person and bed, and the immediate removal of all ejecta, appeared to he incapabie of generating febrile miasm in sufficient quantity to communicate the disease. I only knew of one person so contracting fever last year in this city among people in easy circumstances. Those who have once had an attack (with a few exceptions) appear to possess a certain immunity for years after. I suffered in my own person from a severe attack, with petechial eruption, delirium, and other bad symptoms, in 1536, and, though exposed every season since, have hitherto escaped a second attack. When exposed to concentrated miasm in the holds of sickly sthips, or when the hospitals are much crowded, and the weather calm and sultry, I suffer from derangement of the bowels, lassitude, and natsen.

With respect to the morbid appearances atter death, I regret that the want of room, time, and other difficul$t i^{e s}$, prevented advantage being taken of the extensise fold of observation presented last year at the Quarantine Huspitals. Previous to last season I nade a point
of examining all bodies; on reference to notes then taken 1 find the following morbid appearances more frequently met with. In the head, the dura mater was rarely found discased, though frequently adherent to the calvarium; the arachnoid and pia mater were often found more vascular than in a normal state; the substance of the brain itself, on being sliced with a scalpel, presented more bloody spots than usual; and there was in all cases effusion more or less in:o the ventricles, in some instances to the extent of two or three ounces. In the chest, the lining membrane of the bronchi was invariably found highly vascular and thickened; and frothy mucus mixed with pus was found in the smaller tubes. The pleura were often found inflamed, and adherent in all cases at one or more points. The lungs were rarely found in a normal state, being either engorged with blood or serum, or presenting indications of inflammation, such as hepatization, \&c. The heart and pericardium were seldom found to ofler any morbid appearance. In the abdomen, most of the organs, except the liver, were generally found deviating from a healthy condition.

The lining membrane of the intestines was found in various states of disease, from simple increased vascularity to positive ulceration. This latter morbid appearance was more often found in the large intestines, about the ileo-cacal value; increased vascularity and inflammation were rarely met with in the membrane of the stomach.

Where the large intestines were found in an ulcerated state, an cnlargement and induration of the mesenteric glands were remarked, especially in those attached to the diseased intestine.

In the Table of admissions, discharges, and deaths, herewih annexell. no distinction thas been made between Typhus, Typhoid or Drsentery, all heing indiscriminately classed under the head Fever. This arose in part from the quarantine law, which limits the admission to the Hospitals to cases of Cholera, Fever, Small-pex, and Scar!atina.

TABLE 1.
Sheving the number and per centage of Discase and of Deaths of Emigrants at tie Quarantine Hospital, Grosse Isle, from 1833 to 18:7, both years inelusive.


## TABLE 2.

Shewing the number of Clergy, Medical Men, Hospital Attendants, and others, who contracted Feper and died during last season in attendance upon Sick Emigrants at Giosse Isle.

| $\cdots$ | Number who attended Hospital | Number whó contracted Fever. | Number who died. |
| :---: | :---: | :---: | :---: |
| Roman Catholic Priests. | 42 | 19 | 4 |
| Clergymen of the Church of |  |  |  |
| England. . . . . | 17 | 7 | $\therefore 2$ |
| Medical Men | 26 | 20 | 4 |
| Hospital Stewards. | 29 | 21 | 3 |
| Nurses, Orderlies, and Cooks | 186 | * 76 | 22 |
| Policemen... . . . . . . . . . . . | 10 | 8 | 3 |
| Carters employed to remove the sick, dying, and dead, | 6 | 5 | 2 |
| Clerks, Bakers, and Servants of Mr. Ray, suttler, | . | 15 | 3 |
| Do. of Mr. Bradiord. | 1 | 4 | I |
| Clerk to ditto... . . . . | 1 | 1 |  |
| Custom House Officers employed to examine baggage $\qquad$ | 2 | 1 |  |
| Servants of Roman Catholic Clergymen | 8 | 4 | 1 |

* Many of the Mospital Orderlies, Nurses, and Cooks were Emigrants, who were employed after their convalescence fiom fore:, otherwise the proportion of sick would have been greater; as neaty all those who came down from inontreal and Quebec th lue angand, comtracted fever, either at Grosse Isle, or soon after leaving it.

TABLE 3.
Return of Emigiants Admitted, Discharged, and Died at the Quarantine Hospital at Grosse Isle, during the season ending 3 N November, 1847.


* In consequence of the great prevalence of fceer and dysertery, it was fonnd necessary to reatrict, as much as pussiole, the admissions to these diseases and Small Pux.

TABLE 4.
Shewing the arerage daily number of sick during each month of the season:-


Art. XXXIX.-THE IRISII MMMGRANT FEVER, By Erancis Babgiey, M. D., Lecturer on the Theory and Practice of Medicine, Incorporeted Schoul of Medicine, Montreal, \&c. \&c.

## (No. 2.)

I now enter upon the consideration of the appaling malady which has been transported to, and committed such dreadful ravages on, the American Continent, and especially our own portion of it, during the past year. For the special purpose of obviating any quiblling that may arise in the minds of hypercritical readers or nosological sticklers, in consequence of a special name being assigned to it, I prefer, for the present, employing the appellation which heads this communication. But if the extraordinary nature of the eruption, cxtent of malignancy, rapidity of extension, and degree of tatality which mark the taree great maladies, (cholera, yellow lever, and plague), included by my learned friend Dr. Copland, under the generic name of pestilence, justify, as they most certainly do, the application of this title to them, if Rostan be right in regarding the cholera as "La Peste Orientale," and the yellow fever as "Ia Peste Occidentale," because of their peculiar. ities, their points of similitude, and their fatality; then, indeed, for the same reasons, may we claim for this
disease a position among its fellows, and a place in the same category with them. For, that it has been a disease sui generis, all reflecting men ioust, I think, admit : that its characteristics have been distinctly and broadly set furth; that its propagation has been rapid and extensive-no one who has had any experience of it can for a moment venture to pronounce a doubt; and that its mortality has been fearful, the returns of deaths already published; abundantly prove. To myselfindividually, having no particular veneration for nosological systems, it is a matter of the most perfect indifference, as far as a name is concerned, whether it is styled typius, synochus, nervous fever, or anything else ; for we know, that a rose by any other name will smell as sweet; and we know equally well, that this disease, whatever designation we give to it, would bear, did it admit of personification, on its front, in bold and forciblo characters, the terrifying warning, danger and death. For the same reasons I abstain from arguing upon the primitive causes which originated this pestilence in the beautiful, but sad country from which it has reached us. I shall neither side with Dr. Corrigan, in consid. ering it, as well as all the epidemic fevers of Ireland, as the result of famine, which he regards as the para.
mount cause of them, when he says, "if there be no famine, there will be no fever ; and if active and timely exertions be made to afford sufficient employment and wages to our people, I believe there will be neither famine nor fever;" nor shall I declare myself a dis. ciple of his opponent, Dr. Kennedy, who argues upon what no well educated inan will hazard a dissentient opinion, that "epidemic diseases, whatever be their causes, do not necessarily require famine as one of them, and that a proportion does not always exist be. tween the degree of famine and the severity of the accompanying or ensuing fever; and that consequently the paramount cause and the spreading of this and all other epidemics are still hidden from our minds." Every writer will form, as he has the most unquestionable right to do, his own opinion in attempting to trace effects to causes; and with reference to this particular epidemic, we may find some with strong and apparently convincing arguments attributing it to absolute want of food or to a bad quality of it ; others again ascribing it to peculiar endemic constitations or conditions of climate, \&c.; and a third class, taking a wider range as the basis of their ratiocination, combining the two, and adding even thereto, certain inscrutable manifes. tations of the workings of providence; with national peculiarities and idiosyncrasies. The consideration of this subject appertains more immediately, it may be thought, to the members of the Medical Profession in the sister Isle; but the importance of candidly and impartially weighing all the circumstances, and arriving at something like satisfactory results, with a view that action may be taken by the representatives of that heavily visited co untry, and the Imperial Goyernment, attaches to the Medical Profession generally, inasmuch as it is a matter involving the safety or ruin of thousands of cur Irish fellow:creatures, and of millions, perhaps, of individuals scattered over the earth's surface. Leaving, however, to others the investigation of this intricate but highly interesting question, let us proceed to examine the disease as fully developed and presented to our view ; and in reflecting upon it, I propose to arrange the points of inquiry under the following heads: lst, its nature or entity : 2nd, the manner of its propagation: 3rd, the period of its incubation: 4th, the complications manifested in its course : 5th, the sequelæ: 6th, the post-mortem appearances : and 7th, its treatment; and if in the course of the observations which I am about to make, any expressions or ideas shall appear to possess anything of a dogmatical or pedantic character, I entreat your readers to bear with me, not only patiently, but also kindly; for it is farthest from my wish to force upon them the adoption of any
visionary hypothesis, or to submit for their assent any notions, which I will not, at all events, endeavour to confirm or prove, either by reference to cases seen by other physicians in this city as well as by myself, by sober reasoning, or by having recourse to the published opinions of men, whose names will be a guarantee for my security against any charge of original desire to mislead.

1. What is the nature of this disease? The exter nal appearance; lurid visage, tottering gait, mode of action, the low state of the functions of the sensific and motific nerves, the marked indifference, or apathy, almest amounting to absence of thought and memory, produced by the depressed condition of the perceptive and reasoning faculties, in those who arrived in this country, without having andergone an attack of the disease while at sea; the indifference to food, almost annihilation of absorption, (ay, of that interstitial kind, which we would conceive necessary for the maintainance of even their low organic vitality) and consequent absence of deposition of new tissues, proved by the flabbiuess of their muscular and integumental coverings ; (although the volume of these did not appear to be diminished,) the rapid but weak action of the heart, the universal lassitude, exceeding malaise, almost amounting to universal muscular pain, complained o by nearly every individual to whom I addressed myself, and of whom hundieds were considercd to be in a healthy state : all these circumstances forced upon my mind the reflection, that they were either in a state of anamia, of what Gendrin calls oligremia, or what is so admirably described by the late learned Simon in his Organic Chemistry, under the tite of spanæmia : either there was an absolute deficiency in the amount of the circulating fluid, or that fluid, which was declared by the ancients, and afterwards believed by Haryey and Hunter, to be "for the life of all flesh," must be so deteriorated, disordered, or vitiated in its quality, that the greal functions appended to organization could ill, or only very imperfectly be exercised by it. In few words, that the vast process of hæmatosis or blood formation was deranged or interfered with in some parts of its wonderful elaboration, commencing, as we know it does, at the stomach and terminating at the lungs. Whethe: this arises from the absence of one or more of the constituent elements of the blood in the food taken, or whether from the introduction of foreign, des. troying, or poisonous agents through the medium of the atmosphere, I will not venture to hazard an opinion; but that the blood is in a state ofdisease, I will venture to say, and if so, and sufficiently to affect man's organic life, it cannot be wondered at that this should extend,
or its influence be conveyed to all the other component tissues of the hody. How far this condition of the blood does really exist, will be attempted to be proved, in the progress of my remarks upon the complications, sequelæ; and by the post-mortem appearances. The conclusion at which I arrived, which appears to be borne out by the results of my private pra.tice, as well as that of several of my professional friends and colleagues, whose views as to the nature of this disease are identical with my own, is, that the blood in persons who have been subjected to the excrting cause of this disense, aided too by intrinsic and extrinsic predisposing sircumstances, is deficient in fibrine, blond corpuscles, and probably the sal/s proper to it ; that the fault exists at first in the hematosis, that the systemic heart not being suljected to its preper stimulus, (duly arterialized blood, becomes atrophied in its consistence, or molecular constitution; that it circulates blood which by degrees becomes totally unfit for the deposition of new tissues, and among the rest, of comse, brain tissue, and the production in this of the proper vis nervosa; that the functions of the motific and sensific nerves are gradually impaired, the organic contractility of the tissues over which these exercise their control is destroyed, and hence, as in the case of the capillaries and vasa vasorum, the tendency to local congestions, and the ineffectual efforts at the establishment of subinflammation, but which almost invariably terminate by exosmosis, either of blood or serum. If these premises be admitted, there can be but one inference to draw : that the disease is one of faulty absorption, faulty nutrition, faulty assimilation, and faulty secretion -a disease of spanomic blood, an adyuamic fever.
2. How is this disease disseminated? I answer, unhesitatingly and unequivically, (nothing fearing the assertion, that an infinitesimal number of persons have been attacked with the disease, who did not remember ever having come in contact with inmigrants); I repeat it, by contagion, as its direct exciting means, aided and abetted by moral infuences existing in the recipients. It is not my intention to split'a straw upon the supposed differences between infection and contagion; for I hold that whether the matter of ;oison be received into the mass of blood through the medium of the food that enters into the stomach; of the air that is inspired, or the matter that is absorbed through the cuticular surface, still, contagion has reference to the blood, and the effects produced upon this fluid. In the whole of my intercourse with persons affected, with this disease, on enquiring into its origin, $I$ have received but one answer : mediate or immediate connexion with those already disegsed; the same conclusion has
also been arrived at by several of my professional brothers in this city. It would be more than usciess to furnish numerous proofs of this assertion. But l will cite three remarkable cases which occurred in my private practice. Early in the season, a veny res. pectable man, an Irishman, zt. 42, foreman on one of the pullic works, who had heard of the reported arrival of some people from his own neighbourhood in Ireland, by one of the steamers in port, left his duty to ascer: tain the fact. .. He was, and had ever been, during the fourteen yoars that he had resided in Canada, in perfect health; he reached the boat, boaided lier, made his enquiries, and returned to his post, after an absence of less than an hour ; on the third day, he felt so fatigued and aching that he could not go to his work; on the fifth day, when I was called in to see him, he was maculated. A very deあent widow, woman, et. 46, a house keeper in Bleury street, admitted, into one of her apartments, a female visitor to one of her lodgers, every person in the house (herself included) being perfectly well; on the sixth day after, I was requested to visit her, and found her laid up in bed, with all the characteristic symptoms of the disease. Between the period of the stranger's visit and her being taken ill, she had not been out of the hol:se. A young man, strong and healthy, a carpenter, mt. 26, was taken on by the Board of Works to assist in increasing the accommodation for the emigrants at the old station, in the month of June; he had heard a gool deal of the disease : had a ooded $c$ ming in inmediate contact with the sick; had declined to go int: any of the sheds containing them; but on one occasion he was directed to assist in making ventilators upen the roofs of some of the buildings: he forgot his previous carefulness; was not sensible of any inconvenience arising from it until the next morning, when he was seized with rigors, lassitude, and vomiting. The next day I was sent for, he had the disease; his convalescence witi the fever lasted upwards of five weeks. His wife, æi. 23, three monthe preguant, took the fever before her husband's convalescence was complete, and lay ill for upwards of three weeks. And how many similar cases could I not give you, but it is, in my opinion, altogether unnecessary, for is it not a recognized fact that the great majority of all those persons who have been connected with the immigrants of the past season have suffered, some early, some late. And how many valuable lires have been sacrificed in the service? Clergymen, priests, physicians, cmigrant agents, medical assistants, nuns, hospital nurses, orderlies, trades-people, laụndresses, carters, \&c., \&c., in a word, whoever had any thing to do in furthering the good intentiong of the

Government, in forwarding or contributing to the comfort, spiritual or bodily, of the great proportion of 98,000 human beings who passed through our city during the last nine months of the year just ended; all have incursed the same risk, and thankful to God should those be who have been permitted to form the exception in not haring been thas called upon to pay the penalty.

> (To be continucd.)

## Art. Xl.-Chloroform in quebec.

By W. Marsuen, M. D.

The last number of your valuable $J$ purnal contains an account of the employment of chloroform for the first time in your city, or for aught we know to the contrary at present, in the Province; and as the use of any agent that promises so much for the relief of suffering humanity, as the one in question, must furm an era in the medical world, I will offer no other apology for claiming a place in your colums for the following cases:-

They are both in their kind deeply interesting, independently of being the first cases of the use of ch!oroform iu this city, so far as I know, besides establishing most triumphantly by their results, the paramount utility of this anæsthetic agent. The first case was that of a patient in the Marine Hospital, the remora! of both of whose legs had become necessary, from the effects of frost; the other, that of a youth in the private practice of Dr. James Douglas, with chronic enlargement of the tonsils.

Case I. Pierre Francois Lamare, wt. 33, mariner, a native of Cherbourg, in Normandy, of bilious-nervous, temperament, was admitted into the tarine an! Emigrant Hospital, on the 21st January, with frozen feet. He had been a seaman on board the ill-fated vessel, the "Emigrant," and had had the rish emigrant fever last autumn, at Grosse Isle, from which he recovered; and, on coming to Quebec, he had the misfortune to ship on board the ". Margaret Pollock," homeward bound, and was wrecked in the River St. Lawrence, with that vessel. He was afterwards overcome by cold in the woods, in endeavouring to make his way to the sea coast on foot, through the American territory, which led to his admission to the Marine Hospital as above stated.

The amputation of both legs having been previously rendered necessary, and decided upon, it was deter.

[^0]mined to remove them both at the same time. On Friday, the 4 th ins'ant, he was brought into the operat. ing room, and placed upon the operating table about half past ten A. M., in the presence of a large number of medical practitioners, students ia medicime, clergrmen, ©c. Dr. James Duglas amputated the right leg. and Dr. James A. Sewell the left one.

A piece of lint having leen phaced in a funmel-shaped piece of sheet lead, open at both euds, about a drachan and a half of chorufurm was poured upon the lint, and then applied to the month and wose of the patient, to be iubated or inspired. There was at this time a considrable degree of nervous excitement about the patient, with small pulse, ahout 126. Son after the application of the chloroform, (say about 45 seconds.) the pupils which were before contracted, began to dilate; and in about a minute and a half from the first, the ball of the cye was completely surversed, showing little, excepting the white of the eye; and the amputation was commenced by both gentlemen syuchronously. The breathing of the patient became some what laborious and quick soon after applying the chloroform, which was probably occasioned by the outer aperture of the leaden funnel being rather suall; and the liody and arms became slightly convulsed, so as to render it necessary to secure the latter. The motion or struggling was not that of pain or resistance, but rather like epileptic convulsions. From the time the operation commenced, until the complete removal of both limbs, which occupied about three minutes, there was total and eutire insensibility on the part of the patient ; and from the time he began to feel the effects of the chloro. form, until this period, the pulse gradually diminished in velocity, and increased in force, until it became fall and natural, and aboat 96, at which it remained after his return to consciousuess, which was marked by the unfolding of the ball of the eye, contraction of the pupils, and cessation ofspasmodic action ; and, in reply to the first question put to him, he said, (alluding to the sutures that were being inserted,) "Les.aiguilles sont dures." Oa asking him if he felt pain, or had felt the remoral of his leys, he replied, "Je nui rien senti du tout." His returning sensibility induced a medical gentlemen who was standing by, to renew the application of the chloroform ; but it was only continued for a few seconds, not being deemed necessary, so that the ligatures were applied, and the stumps dressed, whilst the patient was in a full state of unconsciousness.. In reply to an enquiry-What were his feelings whilst under the influence of the chloroform? he replied that "he felt no pain, and was unconscious of what was going on about him. and that he felt his head spipning
round like the handle of a winch." The time occupied in the operation was very short, and the loss of hood comparatively trifing. The nervons shock was scarcely perceptible, the patient being cheerfil, and even lively, and not evincing the slightest depression or weakness, as is usual after similar operations, without anesthetic agents. I will, Mr. Etitor, for the present, merely report these cases, reserving for a future time my remarks and observations on the particular effects and adrantages of chloroform.

Case II. The next case is that of John Francis Hammond, wt. 14, and sen of the keeper of Bic Light. house, a native of Jersey. At about six years of age he canght cold, when the disease, enlargement of the tonsils, was first perceived. The enlargement was so great as almost to fill the exophagns: the uvala lying in close proximity with them ; and the hearing had become obtuse from their pressure upon, and obstruction of, the custachian tube. Other renedial moans having been resorted to wihbut affect, the removal of the tonsils was deciled on as the oniy certain mode of cure; but the obstinate and continued refusal of the young patient to submit to the pain, was the means of preventing its sooner being effected.

On Friday, the 4 hin instant. at about hati past twelre P. M., having related to hin the result of the case above reported, he consented to submit to the nemation, pro. viding he could be made unconscioss of pain. A small quantity of chloroform, about a dachm, wa accordingly used in the manner before described, ard its effects' were scon apparent in the pupils and eyeballs, but not quite so soon as in the former case, perhaps on account of rolition. With one hand placed upon the head, (which was also held by an assistant.) and the other upon the under jaw, I opened the mouth and held it, whilst $\mathrm{D}_{\mathrm{r}}$. James Douglas secured the tonsil, (the right and largest one,) wih the forceps, and removed it, which was effected before consciotisness or feeling returned. The muscular power was completely passive, and no resistance oflered, insensibility being complete; for on the return of consciousness, which took place immediately after the extirpation of the tonsil ; (and as soon as the hamorihage would permit him to articulate, he asked, "What has been done ?" and on being told that one of the tumours had been removed, he shook his head, saying, "Oh, no!" and on being re-assured that such was indeed the case, he said, with
the most unfeigned incredulity, "Eh lien! montrez moi le donc;" and on its being shewn him, his astonish. ment knew no bounds, and he at once exclaimed, "Otez moi lautre tout de suice." The chloroform, however, being expended, his wish could not be gratified at this time. His last exclamation showed, incontestably, that complete insensibility must hare been produced, since the lapse of a few minutes only had converted an unwillingness into desire ; and on being told by his father a few days previously, ia my presence, that it he did not submit to the operation, be would die, he declared that he would rather die than subnit.

Dr. Douglas at once determined, with his characteristic persererance, to try to manuficture some chloroform, well knowing, that at any future time, he might need the article, when it could not be procured for a day or two, even with the aid of the Magnetic Tele. graph; and the reward of his perseverance, after several trials, has leen the obtaining the desired article.

On Friday, the 1 lh instant, at alout half-past uine A. M., the bny was again placed under the influence of the chloroform, which had been mamfactured by Dr. Douglas, and the other tonsil was remored, with the same resuhts as before. The only difference in the effects were, that he was longer in coming under its anmetheti: intuence, and longer in recovering from it, also. The probable reason why be was longer in coming under the infuence, on this oceasion, of the chlorotorm, than on the fomer one, was the repeated and imprefect trials of the agent between the 4 th and 1th isstant, by which he had become somewnat familiarized with its effects, adjed to his extreme unwillinguess to yield to its influence, and his natural resistance; but experience alone can establish the correctness of this supposition. It was not until seve. ra! minutes, (probably ten,) that he was aware that the operation hal been completed; and his delight and astonishment were unfeigned, in his exclamation, "Quoi est il possible que c'est oté?"

The result, then, Mr. Editor, of both these cases, fully establishes the utility of this invaluable discovery. In the one case, both legs were amputated at the same time, without the slightest feeling of pain or consciousness; and in the other, both tonsils were extirpated from a most unwilling patient, under similar highly favourable circumstances.
Quebec, February 15, 1818,

Art. XLI.-MEAN RESULTS OF METEOROLOGICAI, OBSERVATIONS-HAMILTON, C. W., 1847. By Dr. Craigie, Hamilton.

| Mostr. | THERMOMETER. |  |  |  |  | BAROMETER. |  |  | $\begin{aligned} & \stackrel{5}{\underset{Z}{z}} \\ & \underset{Z}{2} \end{aligned}$ |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & \text { Mean, } \\ & \mathbf{9} \text { a. M. } \end{aligned}$ | $9 \text { mean, }$ | mean of вотн. |  | 実 | cimean | highest. | Lowest. |  |  |  |
| January | 25.774 ${ }^{\circ}$ | $26.290^{-}$ | $26.032^{\circ}$ | 54 | 2 | 29.850 | 30.17 | 93.90 | 5 | 7 | 19 |
| February | 25.756 | 27.678 | 26.732 | 45 | 2 | 29.594 | 30.03 | 28.86 | 4 | 9 | 15 |
| March. | 32.42 | 32.48 | 32.45 | 54 | 10 | 29.69 | 30.05 | 29.15 | 2 | 3 | 26 |
| April. | $4 \overline{5} .03$ | 43.2 | 44.615 | 77 | 20 | 29.657 | 30.06 | 29.18 | 3 | 6 | 21 |
| May | 59.54 | 55.26 | 57.4 | 84 | 34 | 29.665 | 20.00 | 29.20 | 2 | 7 | 22 |
| June | 67.16 | 61.4 | 64.28 | 90 | 41 | 29.649 | 29.96 | 29.10 | 3 | 9 | 18 |
| July. | 78.6 | 71.6 | 75.1 | 96 | 46 | 29.752 | 29.98 | 29.50 | 1 | 5 | 25 |
| August | 71.19 | 66.13 | 68.66 | 88 | 48 | 29.75 | 3002 | 29.42 | 2 | 7 | 22 |
| September. | 60.66 | 58.56 | 59.62 | 86 | 39 | 29.694 | 30.04 | 29.37 | 5 | 10 | 15 |
| October... | 47.9 | 48.03 | 47.945 | 72 | 24 | 29.707 | 30.34 | 29.07 | 4 | 7 | 28 |
| November... | 41.77 | 41.93 | 41.85 | 71 | 11 | 29.695 | 30.19 | 29.30 | 5 | 8 | 17 |
| December..... | 32.7 | 338 | 33.25 | 58 | 11 | 29.667 | 30.02 | 28.97 | 5 | 11 | 15 |
| Mean Temperature of the Year, ... 48.163 |  |  |  |  |  | 29.681 |  |  | 41 | S9 | 235 |

Art. Xlif.-on the state of education in CANADA.

THE SUBJECT CONTINUED.

1. Report on a System of Public Elementary Instruction for Upper Canada. Montreal, 1847.
2. Special Report of the Measures which have been adopted for the Establishment of a Normal School; and for carrying into effect generally the Common School Act (for U. C.) of 9th Victoria, cap. 20; with an Appendix. Montreal, 1847.
3. Annual Report of Common S:hools for Upper Canada for 1847. Montreal, 1847. Fiy the Rev. Dr. Ryerson, Chief Superintendent of Schools for Upper Canada.
4. Letiers on Elementary and Practical Education. To zohich is added a French Translation. Montreal, 1841. By Charles Mondejet, Esq.
5. Annual Reports of Common Schools for Lower Canada for 1845 and 1846. Montreal, 1847. By Dr. J. B. Meilleur, Chief Superintendent of Education, Lower Canada.

- In resuming the thread of our desultory observations on the vitally important subject embraced by the above public documents, we owe an apology to our readers for the heavy tax already imposed upon their patient indulgence in our last article; but it so happened that while we felt the necessity of immediate action, our state of health incapacitated us from taking a more clear and elaborate, as well as more concise view of our subject; and we fear that the same excuse will have to be urged in behalf of our present remarks; which, on that account, but for the necessity of the timely redemption of our promise, we should have preferred postponing till a later occasion. We shall endeavour, however, to be as brief as possible; and, should we prove unsuecessful, we trust it will be charitably ascribed, more to the fear
of omitting what we may deem important to our purpose, than to any fancied superior ability for discussing the merits of a most momentous, yet ill-appreciated subject, to the support of which a simple, straight-forward statement of facts, will ever prove far more conducive, than the display of even the most brilliant talents; and to the former of which alone we presume to lay any claim.

It will be in the recollection of our readers, that we stated in the outset of our last article, as a remarkable fact, that the tirst really decisive step in behalf of the cducation of the people of Upper Canada, through the medium of Common schools, was taken by the first reunited parliament, in 1841. It is equally remarkable that the same may be said to have been the case with regard to the Lower province also; for though an appra: rently most auspicious movenent towards what might be considered the counterpart of the ill-fated Royol Grammar Schools of Upper Canada, took place so far back as 1801, in the passing of an act for "the estahlishment of free schools, and the advancement of learning, on a royal foundation," under the imposing name if "The Royal Institution;" no effort in behalf of far more necessary common schools was made till so late as 182t, when an act was at last passed, "to facilitate the establishment and endowment of elementary schools in the different parishes of the province." But instead of these two enactments being harmonizing branches of one well organised educational system, they were alto-gether independent of each other, and were, therefore, never productive of the hoped for beneficial results; and such, it may be stated, was also the fate of the apparently promising Normal school bill of 1832; and all arising, it might be inferred, from the same latent calle as the failure in Upper Canada, namely, in the begin. ning having been made at the wrong end.

In proof of this uncomplimentary remark beins but too well founded, it is sufficient to remind our renders
that though the intentions of "the Royal Institution" might have been excellent, no suitable royal donation (such as in Upper Canada) or any other special fund, having been allotted by law for carrying its provisions into effect, it would have proved altogether a nullity, but for the subsequent successive laudable exertions of the local legislature, in behalf of education generally. In fact, as far as royal aid in support of the act alluded to, is concerned, until the appropriation of the revenues of the late Jesuits" estates "to the purposes of education alone," little more appears to have been accomplished by the law which created the Royal Institution than the empowering of the governor to appoint and incorporate trustees, $b_{y}$ that title, " for the establishment and management of one or more free schools in each parish or township, and of other institutions of royal foundation, for the advancement of learning," with power to acquire, hold, and devise property in favour of the same, and to form rules and regulations for the guidance of ail such schools as should be erected; these schools, however, heing left to be provided at the expense of the inhabitants of townships and parishes, in the same way as the erection of churches and parsonages; but the nomination of the masters, and the fixing of the amount of the salaries, to rest with the governor.

The same fate might also have attended the similariy inexplicit first Common School Act, passed in 1524, but for the subsequent laudable action taken by the local Legislature in behalf of general education, already alluded to, no special fund being set apart by it for carrying so excellent a measure into effect; the bill, in fact, only aiming at "the facilitating of the establishment and endowment of elementary schools, as diffusive of the principles of a good moral education, and contibutive to the promotion of industry and agriculture; and in that character simply enabling fabriques, or parish authorities, to acquire property for the benefit of elementary education, and to establish schools in each parish under their management, in the proportion of one to every hundred resident fanilies; and to apply a certain portion of their funds to the maintenance of such institutions." Fortunately for the country, however, full amends was made for any omission in this particular bill, by the rapidly growing interest which about that time hegan to be taken by the Provincial Legislature in the furtherance of education generally, evinced in continued yearly liberal appropriations of various sums for the encouragement and support of educational institutions of every kind, in all parts of the country-from mere elementary schools and classical academies, up to colleges of a more enlarged character, including even schools on "the royal institution" foundation. To enumerate the particular appropriations alluded to, would fill a page; suffice it, then, to state, that in this good work the Legislature of Lower Canada far outstript the doings of the sister Province-the yearly and other grants in favour of education continuing rapidly to increase, until in 1832 they amounted to upwards of $£ 32,000$, and in 1836, in spite of the unfortunate discordant spirit then prevalent, had advanced beyond $£ 36,000$; and it is believed that the same liberal provision for the dissemination of education continusd to be temporarily made by

Ordinance, during the subsequent disturbed times, until the dawn of that eventful era, for weal or woe, the reanion of the two Provinces.

Having arrived at a critical period of our public affais -when so much was to be expected from cantious and judicious legislation, by a united Parliament, and so much was to be hoped for, from giving a right direction to the public mind, in the furtherance of so vitally important a popular object, it may not be out of place to revert, a little more in detail, to what had been previously accomplished in the Lower Province; and in this we shall have little difficulty, with the indefatigable Dr . Meilleur for our guide; for that gentleman states, in his very creditable Report for 1842, that " under the influence of the Education Act which expired in 1836, there were 1530 schools in operation, at the rate of $£ 20$ a year for each, and that $£ 36,406$ were paid for the last year; but that portions of this sum were devoted to half the cost of the school-houses at the rate of $£ 50$ each, io paying for the teaching of any other language than that of the majority of the scholars at the rate of $£ 4$ to each master, and to paying 10s: for each poor child, and also 10 s . per school in rewardíng children who had made most progress. And, further, that under the influence of this expired Education Act, it appears that the following siuns were annually paid by Government for this object, viz. :-

In 1832.......................................42,470

1836...................................... 36,406

Givirg an avcruge, exclusive of fractions, of $\mathbf{E 2 8}, 277$ fur each yеar.
Such, then, was the encouraging prospect at the period of the Union. Let us now inquire, how far the Legislative measures, which have been since adopted, have tended to advance that promising state of things or otherwise.

We have more than once attached great importance to a beginning at the right end; and it was, therefore, with lively satisfaction, that we contemplated the auspicinus move in that direction made by the framers of the Union Education Bill of 1841 , in the disposition avowedly manifested to produce a gradual amalgamation of feeling between the inhabitants of the two rival Provinces, by the introduction of a great educational system that would be likely to prove acceptable and practicable in both.: Short, however, was the gleam of hope thercby inspired; for, unfortunately, the working of a vital part of the details of this important measure was male dependart on the successful introduction of that grand step towards self-government-District Municipal Councils; and so impatient was the nobleman then at the head of the government to carry through the latter favourite object, without reflecting how far it would prove acceptable to the people of both Provinces, or otherwise, that the Education Bill was unreflectingly pushed through Parliament in connexion with it, without giving time for considering the latter so maturely and deliberately, per se, as to afford a fair chance of pro-

[^1]ducing a systematic arrangement of so well digested a character as to be likely to require little or no amendment for at least a ferw years to come. The unfortunate consequence was, that the Education Bill, instead of undergoing that patient and dispassionate consideration in all its details, by both houses, which a matter of such vast, such paramount, imporance to the welfare and interests of the people demanded, was no sooner carried 'hrough the House of Assembly, than it was thrust upon tue Legislative Council on the eve of a prorogation, to be either unhesitatingly acquiesced in by them, "with all its imperfections on its head," or to have the country left without any provision for education at all. In this embarrassing dilemma, the latter course was deemed the most advisable; and the bill was accordingly passed, ahhough some members had never seen or read it, and who, therefore, in giving their reluctant assent to the measure, in the sole hope of its proving at least better than none, protested against such breathless haste in legislating upon a question pregnant with such eventiul results to the people of both Provinces.

That our readers may be aware how far the foregoing remarks are borne out by facts, we beg to bring to their recollection a portion of the very appropriate observations made by the Hon. Mr. Day, the minister who introduced the Bill in the Lower House, as well as the prophetic feelings expressed by the Hoı. Mr. Morris, in deprecating the uncalled for premature adoption of it by the Legislative Council. The former of these gentlemen stated, that " the object of the present motion was the repeal of the existing laws on this subject in the two divisions of the Province, and the substitution, in their place, of a general system which should extend to the whole Province, and embrace the pntire population. The sulject was one of the greatest importance, and which hrew a great moral duty on every man so lend his aid towards supporting it. Those acquainted with the sulject, well knew that the present measure was but a part of the great gencral system of national education, which would take place iin, not merely the establishment of Common Schools, hut also of Model, and more especially of Normal Schools, which would train up young men to act as reachers and inst ructors. Of this system, the establishment of Common Schools would be the foundation upon which all the rest would lie; and if prudence was only observed in proceeding, there was no reason why every thing should not be done on this basis which the importance of the subject required. In order, however, to secure success, it was necessary that the system introduced should be ample, effective, and popular, and that it should not interfere with the prejudices of those for whose benefit it was intended."
After adverting to the various acts in favour of Government, which had been pased in Upper Canada, and stating that there was but one opinion on the effects of these measures - that they had failed to effect the important object in view- the learned gentleman proceeded to observe, that, If these means for the enconragement of education-were so much required in-Upper Canada, how much more were they requirsd in Lower Canuda! There, no legat establistiment existed-no provision of the law-ly which the people could obtain access to
education. With the exception of a few institutionssupported by private benevolence, and maintained by the exertions of a class of men to whom he conld not pay too high a tribute of praise-he alluded to the Roman Catholic clergy-no means for public instruction existed. The total population of that Province was estimated at 600,000 , out of which one-fifih were without the means of education; and this young population was growing up to the exercise of important duties, totally imorant of the nature of those duties. He would not join in the censure which had been so abundantly dealt on the Legislature. The truth was, that there had been a great cieal of legislating on the subject, extending back to the 41 st of George III., which attempted the fouadation of a Royal Institution, but was productive of no effect. Siace then, several acts had been passed, in 1814, 1818, and lastly, in 1823, which last was of great importance, and must have produced the most beneficial results. Its cifect was to duvide the country into (school) distriets ; and so important was it considered, that it had been extended by subsequent statutes down to the 2d of William IV., C. 26, which existed up to the time of the suspension of the constitution: since when no provision for the maintrnance of schools had been made."

On the matter being formally taken up in the Upper House, the Hon. Mr. Morris took an npportunity of deprecating in strong terms any thing like hasty legislation on so very important a sulject, followed up by submitting a scries of resolutions, proposing that, instrad of hurrying the Bill through that Session, at the risk of the adoption of a def-ctive exceptionable masure, a Parliamentary commission should be appointed, to remain after the adjournment, composed of members of both Houses, with a clergyman and layman of the leading denominations of Christians, for the purpose of maturing and preparing a well digested system for the better clucation of the youth of the. Province in endowed Common and Grammar Schools-as Seminaries, preparatory of pupils for any University that might hereafter be established. And on the Bill being at length suddenly laid before the House by the Select Committer appointed to report upon it, he again spoke strengly on the subject, and was heartily juined by the Hon. Mr. De Blaquiere, in earnest protestations against the inconsiderate manner in which 30 important, yet imperfect a measure, was hurried through larliament, on the very eve of a prorogation; though they both declined oppusing the passing of the Bill, lest the country should thereby be altogether deprived of the benefitsexpected to be derived from it.* The consequence was, that the Bill was passed in that de fective, and, as regards the ficelings of the people, otherwise objectionable state which, in spite of the generally excellent materials of which it was composed, and the vatious subsequent attemptṣ at amendment, has not only still left an otherwise invaluable boon more or less unacceptable to the inhalitants of both Provinces, and more particularly of Lower Canada, but led the way to the introduction of a most impolitic and uncalled for practice

[^2]of legislating for the two Provinces separately, connected with subjects on which there ought to be but one common amalganative opinion and law, and in the promotion of which the moot cordial reciprocity of good feeling and generous emulation among all races and sects should be encouraged and promoted.

It is true, that the generally successful introduction of those deservedly popular institutions-District Coun-cils-in Upper Canada, has, there, in a great measure, removed the chief difficulties in the way of the amended education bill; and it may therefore be reasonably hoped, that, as far as that part of the province is concerned, time alone is wanting to allow the beneficial working of the present school system to be better understood, and enable its inhabitants to form a just appreciation of the inestimable blessing thus placed within their reach. But such, alas! as might have been reasonahly auticipated, has been far from the case in Lower Canada; and it ought, therefore, to have been provided, from the first, that until such should take place, the successful operation of whatever educational system might be intended to be adopted there, should be entirely independent of any other measure whatever.

Having now reached a very critical stage of our remarks, as regards the Lower province, it is but justice to the government and the legislature, as well as to the friends of intellectual improvement at large, to endeavour to inquire more distinctly wherein lies the still insuperable obstacle to the attaiument of so truly desirable and invaluable an object as the general iustruction of a people; and this we hope to be enabled to discuss in a spirit of candour and good temper, worthy of so sacred a cause; and therefore if, in giving expression to what we conscientiously believe to be the truth, our observations should perchance prove rather unpalatable to a portion of our readers, we have to beg that they may; at loast, be received in good part, and reflected on dispassionately, before they are pronounced either unjustifiable or erroneons.

In the first place, then, it appears to us, altogether independent of those two great fundamental errors, as regards Lover Canada- the unfortunate liuking of the Education Bill with that for the institution of Municipal Councils, and the unwise and even unequitable atteupt to reuder the people's share of the school fund at all dependent on uncertaiu voluntary subscriptions, instead of a iniforin general assessment, - that however meritorious the previous exertions" of the Legislature in belialf of popular instruction may have been, it may become a question whether they had not gone beyond the proper limits, in making the Government do too much, and leaving the people to do too little for themselves, and thereby leading the latter to infer that, far from being taxed for such a purpose, education was to be bestoved upon them almost gratuitonsly-nay, in a grat proportion, altogether so; for what else could be iuferred, when in a young and thinly peopled agricultural country like Canada,-where such an unfortunate being as a pauper should be almost unknown,-so large a portion of the population were thereby placed on a degrading eleemosyuary footing, in providing for the education of their children, while the remainder were
induced to regard the paltry annual outlay of from orre to two dollars, as more than an equivalemt for so inestimable a blessing.* Yet such would appear to have been, in a great degree, the humiliating case up to the period of the union; and the natugal consequence was, that any subsequent attempt to provide a supply of respectable, well qualified teachers, by imposing even the most trifling general tax in addition to the liberal Parliamentary bounty, either by the Government direct, or through the supposed more popular medium of Municipal Counsels, or to exact an equally trifling additional payment from the parents of children attending school, was, and still is, regarded in some parts of the country, as an act of the most oppressive and tyrannical character. Of this, however, more hereafter.

In the sccond place, we are disposed to believe that. notwithstanding the unceasing laudable exertions of the clergy, instead of due pains having been generally taken to overcome the people's unieasonable prejudices against the new Education Law, on account of the novel trifing self-taxation thereby imposed, it was either taken very little interest in in the most influential quarters, or left altogether at the mercy of whatever restless or designing political demagogues chose to make use of its easily misrepresented principles and objects for the very worst of purposes; and hence the popular dislike to the measure has continued to be strengthened rather than otherwise. Nay, one might almost infer from what fell from some of our Legislators during the debate on the Bill of 1846; that, instead of an anxiety to promote "the on ward march of mind" and independent feeling, there was an indifference, if not an objection, to the general education of the people, lest they should become capable of judging, for themselves; in place of, as in their present unhappy state of ignorance, being obliged to pin their faith on the dictum of any discontented or designing demagogue, among the few who have benefitted by education, and having thereby gained an ascendancy over their illiterate neighbours, are willing to monopolize to themselves all the local influence and other advantages thereby acquired. In fact, it must be generally conceded that, notwithstanding the great outcry made by a certain class of ropular declaimers about the blessings of "r responsible Government," and more especially the people's right to self Government, as at once the grand primum mobile and ultimate test of true "responsibility to the people," there are few countries in the world where the inhabitants, as yet, less understand, less feel the want of, or are less prepared to enjoy, the exercise of that noble right, than the worthy "habitans" of Lower

[^3]Canada; and that such is the melanoholy truth, those who are loudest in the premature demand, are but too conscious;-and all arising from the existence of that one bar to proper self-respect and sell-dependence, às well as self-government, which the Government are labouring to removebut which they would perpetuate, namely, the low'standard of education still prevalent throughout the country. Whereas, in proportion as that debasing impedinent is overcome, the people will be found prepared to think, judge, and act for tnemvelves; and the reign of the demagogue will then be at an end.-A state of things nearly approaching to that deplored by us is so aptly illustrated in M. Cousins gdmirable observations on the nerassity of a more general diffusion of superior elementary instruction in France, independent of a higher ciassical or college education, that, limited though our space be, we are tempted to adduce the latter in support of our own hurnble arguments, for the benefit of our worthy fellowcolonists of the same national origin. "In France," observes that eminent man, "primary education is but a scanting; and between that education and that of our colleges, there is a blank; hence it follows that every father of a family, even in the lower part of the Bourgeoisie, who has the honourable desire of bestowing a suitable education on his sons, can only do so by sending them to college. Serious inconveriences are the result. In general, these young men, who are not conscious of a lofly destination, prosecute their studies with little assiduity; and when they return to the profession and habits of their family, as nothing in the routine of thi ir ordinary life occurs to recall and keep up their college studies, a few years are sure to obliterate the smattering of classical knowledge they possessed. They also frequently contract at college acquaintances and tastes which make it almost impossible to accommodate themselves again to the humble condition of their parents ; hence a race of resiless men, discontented wath their lot, with others, and with them-selves,-enemies if a social order, in which they do not feel themselves in their place,: and ready, with some acquircments, a talent more or less solid, and an unbi idled ambition, to throw themselves into all the paths either of servility or revolt!"

To these highly apposite remarks we may be permitted to add, that instead of the bulk of our Canadian brethren being as yet sensible of a more general extension of education among all ranks being either necessary or desirable, in the ordinary intercourse of rocial life, it is not unusual-as candidly admitted by one of our legislators-for the French Canadian farmer to be so utteily unconscious of the value of any education whatever, "as to be "founa saying, "I have had no edication insselr, and yet I have cultivated iny land, and why shonld not my ehildreil do the same?". And even at best, a preposterous idea seems to prevail, that a person in apy station ol life happens to become at all tolerably educated, he on to a a matter of course, 8 pire to become a member of one the learned rofessions, instead of being content to turn the " litle extra knowledge ecquired by "him to far better accout in the more creditable disoharge of his
moral and social daties in the natural sphere of himself and tamily.
Having dwelt so long on the gloomy side of the prospect, we gladly turn to the more cheering contemplation of the laudable efforts which have, from time to time, been made in behalf of a more satisfactory state of things, preparatory to exhibiting a condensed view of the cxisting general results in both provinces.

In the first place, then, it becomes a pleasing duty to express our sense of the continued untiring exertions of the clergy of all denominations, but more particularly of those of the Catholic church, and of the benevolent religious ladies of the various charitable orders. in behalf of the extension of general education, in all its branches, as evidenced in the many philanthropic asylums, and elementary schools, as well as in the higher seminaries and colleges founded and conducted under their immediate auspices; and, did our space permit, we could not do them justice more appropriately than in the language of the worthy superintendent of education; but we are compelied to forego that pleasure, that we may be able to devote more attention to Dr. Meilleur himself, as an energetic labourer in behalf of popular instruction for more than twelve years, either as a private gentieman, or a member of the legislature, or latterly as the Government Superintendent of Education in the Province.
It is a remarkable fact, as respects Lower Canada, that it is not for want of public advocates of the good cause, that education is not there in a more adranced state, comparell with the Upper Province; for various patrintic individuals, besides the clergy of all denominations, appear to have', from time to time, devoted themselves to the duty of zcalous pioneers in the noble work: and among these, Dr. Meilleur, as already alluded to, published a series of leiters on edacation abont twelve years ago, of which it is sufficient commendation to say, that they attracted the attention of Lord Durham, and that they advocated the greater part of the system which has been since introduced. In 1841, also appeared another able advocate of popular instruction, in Charles Mondelet, Esq, who published, on the eve of the meeting of the first united parliament, a series of short letters on elementary and practical education, noticed at the head of this article, containing many valuable and appropriate suggestions, with refer: ence to that particular period, combined with the highly laudable and amiable main object of, if possible, doing away with all odious national distinctions, inducing a better state of social feeling, and founding an improved system of general education, on a basis securing the rights and privileges of all classes, whatever may be their origin, religion, or politics; and which, therefore, well merited being in the hands of every friend of education, as well as every, "ell-wisher to the prosperity of United Canada**

[^4]For our readers to be aware of the general scope and merits of this well-timed little work, it might be sufficient to observe, that with some features peculiar to isself, it advocated in a great degree the outline of the Bill of 1841-the learned framer of which cordially acknowledged his obligations to its author for considerable assistance; and that, as already observed, it carnesily advocated the adoption of an educational system that would be acceptable to all races and sects; But common justice to the highly intelligent and patriotic writer, demands something more at our hands. We therefore gladly add, that after premising that education, elementary and practical, in Canada, is necessary to the young, and through them most influential on those of mature age, and that the results of a proper course in that respect are of vital importance to all classes in this distracted country, he very justly proceeds to observe: "Common or primary schools are one of the most interesting institutions in any well organized socicty; they are regarded as the great sources of elementary instruction; no community is safe without them; no Government is secure if it neglects or proscribes them. An enlightered people will, in most cases, guard against the corrupting influence of bad rulers. It will be equally free from the snares of ignorant or of intriguing and unprincipled demagogues. In either case the goverijed will escape the tyranny of one, or of the many. The cause of education is, therefore, the cause of liberty. Independent of these most imoortant results, the moral charac ter of the people, taken collectively, -the individual character of each member of the communitr, -is elevated by education-man is bettered; and of course the stite of society improved. The duties of man towards his Creator, those he owes to his Government, and the rules he has to be guided by in his intercourse with bis fellow men, will be sacrediy or lightly attended to in proportion to the improved or neglected moral sense. The prosperity of a country will of course be greater in proportion to the individual, or to the collective industry of those who inhabit it. The success of the husbandinan, the merchant; the trader, the mechanic, the seaman, in fact, the success of all, must depend on their knowledge of the art, calling, or trade they are engaged in, and consequently the general and individual prosperity and happiness are essentially dependent on the degree of intelligence and practical kuowledge prevailing in a community. Common or primary schools, in which the elements of a sound and useful popular education are taught, are, therefore, of the hingliest importance to the country, and" should excite The most lively interest."
Impressed with this noble feeling, the same patriotic author in subsequent letters thus expresses himself:"The united Legislature cannot, ought not, and will not, allow the first session to pass by without duly maturing and adopting a system of elementary and practical education. Our Legislature will not, I trust, content themselves with a servile imitation of the governments of the feudal ages, always bent upon patronising

[^5]academies, college, and universities, for the education of the few; and, in their selfish and inhuman career, leaving the bulk of the people in ignorance and degradation. * . l.et us, therefore, whatever may be our origin, our religion, our politics, join heart and hand in the noble cause of education: on the success of our efforts depends our happiness; but the failure of our endeavours must be followed by worse consequences than the most timid are likely to appreliend."

He then proceeds to observe, that "as the want of a general and uniform system of elementary and practical education is extreme in Lower Canala, no time should be lost in adopting sucli means as are calculated to remedy so great an evil ; and that as national distinctions and prejudices are most formidable obstacles to the carrying into operation of a uniform system, means should at once be adopted to surmount them. And, further, that there being a mutual distrust prevailing in a very ligig degree in respect to language-the English population being impressed with the belief that the French Canadians are averse to the spreading of the English language, and the French Canadians, on the other hand, are apprehensive that efforts have been and are being made to wrest from them their vernacular, and force them to speak the English language-let there be established in each locality, as far as practicable, a French and English school, either in one and the same building, or in two distinct houses. The result is inevitable. The English parent seeing, in the midst of the French settements, English' schools, will very naturally say to himself: 'Surely the French Canadians are not hostile to the spresd of the English language; it is better that I should send my children to the French school; they will learn both languages, and get on much better in the world!' The French Canadian parent also will at once find out that he is not forcibly to be robbed of his language; he will see the propriety of having his children taught the English language; which will enable them to clear their way to usefulness; and he will therefore send his children to the English school. Thus, the mutual distrust, now prevailing, will vanish, to make way for muqual confidence. Both populations will cease to fear, what they now dread so much; their anticipations and their hopes will not be visionary, there being nothing to oppose to facts; English and French schools working simultaneously will be unanswerable arguments.
Peace and happiness being restored, the working of a sound system of education becowes easier. In the first instance, it has been the effect; it must now become the cause of a state of things bettering every day""
The same generous amalgamative spiri pervading the whole of this patriotic writer's observations, we are content to remark, for the present, that we cordially acquiesce in the most of them, and in none more than in the moral necessity as well as undenable justice of a light general tax for such a purpose-if in addition to a trifing sum to be paid by parents who send children to school; but we are inclined to think that the extra imposition of a fine upon those who do not choose to avail themselves of the schools, be the purpose to wlich that fund will be devoted what it may, would sa vour too much of the despotic, though othervise excellent, Prus-
sian system, to be acceptable, the very praise-worthy examples of our neighbours of Massachusetts and Con: necticut to the contrary notrithstanding; and we are rather inclined to believe that it would prove more bencficial, as well as more popular, for the burthen on those of small means but large families to be alleviated, bs a progressive diminution in the monthly school dues in proportion to the number of children ; thus, for the first, say 1 s .3 d. , for the sccond 1 s. , for the third 6 d ., and the fourth to be gratis. We also gladly, subscribe to the propriety of encouraging a cordial feeling among the youth of both races, by French and English schools being, wherever practicable, placed in kindly justaposition, as nregnant with the most desirable results in the intercourse of after life; and we mark with equal satisfaction the importance which the writer attaches to the due promotion of female edication.* All, therefore. that remains to be adeed is our heariy commendation of his patriotic suggestions, mingled with our deep regret that they were not aftended with better success.

Having so far discussed the merits of M. Mondelet's laudable little work, it is full time to return to the labours of Dr. Meilleur.

In that gentleman's Report for 1542, while deploring the existence of that unfertunate stumbling-block in the way of the first Education Bill-the popular aversion to the introduction of "District Municipal Councils-full justice vas done to zealone exertions of the clergy to give impetus to the Act, as having been so much the greater, itl proportion as the obstacles became more invincible, from the want of the effective co-operation of the Municipal Councils; but it was at the same time candidly admitted, that nopular institutions, although they had been asked and expected for a number of years, were, for the people of Lower Canda, hings yet new; and that it was, therefore, not surprising that where such institutions were yet in their infancy, the people should not at once be able to perceive distinctly in the combined and complicated machinery of these two laws, all the advantages which may result from their respective operations, though they might be found to work well separately; and he, therefore, very properly begged that till that should be the case, the Canadian Bill should be altogether independent of the municipal ordinance, and entrusted to the entire and exclusive direction of educated local School Commissioners, under the guidance of the Provincial Superintendent, "the fact being that the granting of municipalities to the inhabitants of Lower Canada was premature," and for this simple reason, that "the pcople are not yet" in general, sufficiently in. structed to be able to take with advantage, the effective part assigned them' and, in consequence, it is impossible to obtain from the Municipal Councils a prompt, regular, and effective co-operation.

Such continued to be the unsatisfactory state of matters up to 1845, the year in which the first separate

[^6]amended Bill for Lower Canada ras passed, granting the impolitic option of voluntary subscriptions, instead of a uniform direct general assessment; and, accordingly, in forwarding his Report for that year, in 1846; Dr. Meilleur was compelled to avow, in the strongest terms, the inelancholy fact, that up to that period the School Bill had either not worked at all, or had in most cases worked very badly-notwithstanding the constant courageous efforts made everywhere by the friends of educaion, and especially by the members of the elergy of every creed and origin, to further its operation: "and this, for two reasons; the one, the continued existence of the old obstacle, its connection with the Manicipal Councils;the other, that the law reguised a small contribution, either by voluntary subscription, or by assessment on their real property, equal to the sum allowed yearly by the Legislature; but that the word ' Tax' had unfortunately slipped into the law, and taken the place of that of contribution; and that those who had reasons-sometimes inexplicable enough-for opposing the measure, had seized upon that word as the signal of a general and irreparable ruin! and that sudenly, at their voice, the people were seen to tise in a body in certain counties where the leaders of the opposition were more inflizential and active, and, guided by their perfidious counsel, had allowed themselves for a moment to be dragged into opposition;"-10 what?-a purely philanthropic law, made for the sole benefit of ?hemselves and chitdren. But, "that the imhabitants were at length beginning to comprehend better the true ends of the law, its usifity, its importance, and the means of atlaining its objects; and it might now be snid, that notwithstanding the efforts of the opposition, and the defects of the lave, wherever the inhabitants had been well advised, and the local authorities well disposed, and só acted with good Gaith, concord, harmony, and perseverance, in their proceedings, the execution of the law had been easy, and followed by results most stitisfactory to all : from whici: it might be reasonably concluded, that if the opposition had every where left the people to thcir natural good sense, free to follow without constraim and hinderance their own inclination for the instruction of their chil-dren-free, at least, to follow the well-micant advice of their true friends, and, in particular, of their pastors-at all times so zealous for the public welfare-the working of the law would have every where been immediate, uniform, and most advantageous to the rising generation." But then, again, he was forced to confess, that "this gratifying success is still far from being what it would have been, without the eflorts of the opposition; there are localities where it is partial only, others where it is yet a nullity. In these latter, the inhabitants, bowed beneath the weight of an undue influence, incline, as formerly; towards the impoisoned source of prejudice, and abandon thenselves to the most deceitful illusions, in spite of all the good counsels and good examples given them by their fellow-citizens and friends; all have

[^7]yet failed to make them sensible of the false position in which they are placed, by certain individuals more desirous of a momentary command over men whose misfortune it is to be too confiding, and more ambitious of acquiring the ephemeral reputation of a day, than of contributing, with a good grace, to the permanent happiness and welfare of nearly 200,000 children eager to dividc the intellectual food! There are also localities, where the inhabitants, indifferent or apathetic, do nothing either to conform to the law, or directly to oppose it, flattering themselves that it will be repealed or modified, so as to require nothing at their hands; and thus sacrifice to doubtful hopes, to improbable results, the certain and durable advantages which might bu unfailingly secured to their children, by the faithful execution of the existing school law."

In this conflicting and discouraging state of things, Dr. Meilleur was led to recommend, for consideration, various amendments in the law, the principal of which were, the entire separation of the School Act from that regulating the rural municipalities, and the making of it permanent; the placing of the carrying out of its provisions solely in the hands of local Commissioners, either elected by the inhabitants, or appointed by Government in default of none being elected; the repeal of that part of the law which exacts 1 s . 3 d . per month for each child actually attending sclion, and the exaction of it for every chitd of an age to attend school, i.c., from 5 to 16 ; making the contribution by assessment on real property onligatory in all cases, except extreme poverty-in which case the Commissioners to have the power of exempting the inhabitants of indigent localities from paying the full amount; and the establishing of a Board of Examiners for the admission of teachers. In addition to which he adverted to several other objects, having a reference to public instruction, as, though of a less pressing nature, not the less important, or requiring the intervention of the Legislature, such as the establishment of county academies, the institution of normal and model schools, the necessity of uniformity in school books; the foundation of school librarics; the teaching of the elementary principles of agriculture in the principal schools in each county; and the promotion of a periodical Journal of education.

Leaving our readers at liberty to refer to Dr. Meilleur's Report for the explanatory details connected with these amendments, we deem it sufficient to observe, for the present, that though we may differ from Dr. Meilleur in some respects, as cither stated in the immediately foregoing pages or in the former portion of our remarks, we cordially concur in most of them; and in none more than in the absolute necessity for the immediate establishment of efficient normal and model schools, such as have been lately set on foot in the Upper Province; and we regard as no less indispensable, and, in fact, as a natural sequence, the appointment of one or more Boards of Education, or Examiners, such as that instituted in the sister Province. To which might have been added, the appointment of well-gualified Superintendents to each county, But what will all tiese improvements amount to, if that all-important and invaluable instrument, the feacher, is deatined to bs left in that utterly degraded
position which he at present occupies, instead of being raised to the legitimate respectable status in society insisted upon in our former article? but which can only be accomplished by, the unanimous applauding voice and liberal helping hand of a grateful people. And of this, unfortunately, the prospect in Lower Canada is still gloomsy in the extreme; for on the reamended Bill heing brought before Parliament in 1836, such was the discordant feeling on this vitally important and philanthropic subject, in spite of all the efforts of the liberal friends of education, civilization, and humanity, on both sides of the House, that comparatively little good was effected, except making the working of the bill independent of Municipal Councils, and the omission of the objectionable voluntary contributions; and the consequence was, that a third conficting effort at amendment was proposed to be attempted during the last session of Parliament, reviving the optional voluntary contribution; but, so far, fortunately, that was destined to fall to the ground abortive in the House of Assembly. And thus, as far as the Legislature is concerned, to the disgrace of the country, stands the matter at present. In the meantime, however, it is somewhat consolatory to learn, from different quarters, as weil as to perceive from the Superintendent's Report for 1836, that a better feeling is gradually gaining ground among the misguided "habitans," in spite of all the insane efforts of certain unworthy "extinguishers" in some remote parts of the country ; and we are, therefore, led to indutge a confident hope that such will, after all, continue to be the case. $\dagger$ That our readers, however, may be enabled to judge for themselves of the plain unvarnished state of things at present, we beg to refer them to the following somewhat imperfect abstract view of the truly humiliating scale of education at present existing in both divisions of the Province, compared with what ought to be expected, when contrasted with what is witnessed in many other countries:-
Abstract Slatistical Vicw of the State of the Common Schools in the Province of Candad fir the years 1814, 5 , and 6 .

| Intisions. | Year. |  |  | No. of Schools. |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Upper Canadn, | $\begin{aligned} & 1844 \\ & 1845 \\ & 1846 * \end{aligned}$ | $\begin{gathered} 506,052 \\ 632,070 \\ \text { Unascer- } \\ \text { taincd. } \end{gathered}$ | $\begin{aligned} & 181,062 \\ & 198,434 \\ & 204,580 \end{aligned}$ | $\begin{aligned} & 2,9.15 \\ & 2,925 * \end{aligned}$ | 96,756 110,002 110,318 |
| Lower Canada, | $\begin{aligned} & 1844 \\ & 1815 \\ & 1846 \end{aligned}$ | $\begin{gathered} \text { 690,782 } \\ \text { Unascer- } \\ \text { taincd. } \\ \text { Do. } \end{gathered}$ | $\begin{array}{r} 186,349 \\ \ldots \end{array}$ | $\begin{aligned} & 1,832 \\ & 1,737 \\ & 1,830 \end{aligned}$ | $\begin{array}{r} 61.030 \\ 59,389 \\ 69,887 \end{array}$ |

* This includes 336 schools unreported, at an average of 25 scholars to ench.
$t$ It is truly gratifying to find the conduct of these unprincipled men repudiated and stigmatised by every true friend of the country on both sides of the floor of the Housc of Assembly, as well as, with few exceptions, by the wholo of the public prese, of all shades of politucs. As one late instance of which may be men. tioned, that the Mifierve, of the 3lat Deoember, characteriged the oppopticn slown fo that part of the Comppn Sohpoi Act; wis

Now, from the above well ascertained data, it would appear that in Upper Canada little more than half of the children between five and sixteen are now attending school; and that the proportion in Lower Canada is miserably less, being little more than one-fourth; whereas in several of the neighbouring Ambrican. Statesfrom whom, and not from: Prusia, the greater part of our school system is derived*-almost every child is being more or less educated; and in more than one of them, education is literally universal. $\dagger$

This is truly a melancholy comparison, which every Canadian, whether of British or French origin, may well blush to see recorded; but it exhibits, nevertheless, the

[^8] to have the subject brought altogether home to Canada, let them reflect on the following excellent observations of the slirewd and talented member for Huron, during the debate on the Education Bill of 1816. Dr. Dunlop said that he did not expect to have it argucd in the 19th century, whether or no the people should be taxed for the purpose of education. He thought that the advancement of the age had established that point. It was a duty incumbent upon that House to furnish the people with moral and religious education. Without this being done, it was of no use making canals and railroads. The country would not prosper if the people were not better than the oxen that worked in their fields. It had been said, "keep people in ignorance, and you can govern them; instruct them, and they will govern themselves." Now, he wanted to see them govern themselves. The less cducation the people possessed, the less they felt the want of it ; and it was, therefore, the duty of that House to feel for them, and to tax them for their own benefit, in this particular. IIe was guilty of frequently referring to his own countrv, and was about to do so again: the people of Scotland might be found in every part of the world, but no where were they mere hewers of wond and drawers of water; and the reason was, becausc the people were taxed for the maintenance of good sehools in every parish. nnd the means of education were given to the poorest. Scotland occupied but a small space in the physical world; but how great was the space it filled in the moral world. The larger countries, France, England; and Germany, might be cqual to them in that respect,' as they ought to be, considering the greater number of inhabitante In a moral point of view, the literature of Scotland otoud conspicuously forth to the world's cye. The educational system of Scolland had broken down the ancient monopoly of gricatness, (rank), and opened the door of fame to every competi. tors The small start which the weialliny farmer was able to give his. son, was lost and of no account; when the son of the peasant was equally well educated with the son of the pror. He hoped to see a similar system introdaced into this colony: and it would be the greatest blessing ever conferred upon it.
$t$ Though it is the fashion to run down the enlightened, though arbitrary, Prussian system, wo cannot resist adding, that so far back as 1831, out of a population in that country of 12,726,823; there was a proportion of $2,043,030$ children between the ages of seven and fourteen; and that of hese, 2,021,421 actually attended the public schools, leaving only 21,609 without education, if such were the case, but these, in fact, iwere supposed to be, attending private schools; - 80 , that it would appear that every human being in that kingdom actually enjoys the benefits of education! What a contrast this to the mortifying scene exhibited at the fate Quarter Session for the city and district of Montreal the proud metropolis of British Canada, where ten oat of eighteeen grand jurors could only make their mark! and of these; nine were of French origin! If this does not show the necessity of providing ingtruction, we know nof what will.
stern truth! Let us, however, not altogether despair, but look hopefully forward to better times, when in spite of all the heartless unchristian efforts of a few ignorant or designing political demagogues, the mists of prejudice shall gralually disperse, and the beneficial workings of our educational system shall become better understood and appreciated; for it was a number of years befure even our neighbours of New York, after much vexations opposition aid evasion, began to comprehend the true merits and value of, and become thoroughly reconciled to direct school taxation, with the ample special fund for educational purposes provided by the State, as may be seen from the following :-
Abstract table of the progress of Common Schools in the State of New York.

| Year. | No. of <br> Schoole. | No. of Children <br> between $5 \& 16$. | No. of Children <br> taught. |
| :---: | :---: | :---: | :---: |
| 1815 | 2755 | 176.449 | 140 |
| 1820 | 6332 | 317,633 | 304.106 |
| 1830 | 9063 | 497.503 | 499.429 |
| $1843-4$ | 10875 | 670,995 | 657,732 |

To which may be added, that the amount of public money received and expended in the several school districts in 1844 , was $\$ 660,727.41$, of which was applied to the payment of teachers wages, $\$ 565,793.76$, and to the purchase of books and for school libraries, $\$ 94,933.97$; and the amount paid by the inhabitants on rate or assessment bills for teachers wages, was $\$ 509,376.97$; making an aggregate amount of upwards of $1,000,000$ of dollars applied to the payment of teachers wages !

Having at length, in a great measure, redeemed the pledge given by us at the outset of our desultory observations, we would now gladly come to a conclusion of this already too protracted article; but we trust that our readers will kindly bear with us a little longer on so vitally important a subject, at a peculiar crisis like the present, while we once more earnestly warn our fellow countrymen of both races against the baneful consequences that must result from the reckless, unreflecting desire of constant change, which has of late become so rife, and appears to be gaining ground in some party of the Upper Province, and entreat that a fair and patient trial may be given to the existing educational. system in all its parts, imperfect thought it may be, before any attempt at material alteration is forced upon the Legislature; and we beg it to be, recollected that such cannot possibly be the case until the influence of that powerful lever, the lately established Normal Schools, shall be brought into effective operation, and that that cannot be expected in less than three years... And we would in particular most earnestly deprecate all attempt to narrow the sphere of, and far less dispense with, the services of so invaluable a main-spring as an efficient Chief Superintendent for each province, without which the whole machinery must infallibly crumble to pieces. In fact, it may be recollected that our individual conviction goes to the very antipodes of such a feeling, jt being our long and well weighed opinion that the head of the educational department should eyen be a member of the

[^9]Executive Government, with no othe: dutics to attend to.* We would also invite the particular attention of the Municipal Councils of Upper Canada, as well as of Government, to the propriety of great discrimination in the selection of those important local oflicers,-well qualified District Inspectors, or Superintendents,against whom also there existed at one time a considerabledegree of prejudice $\dagger$; but that, once appointed, they should be as little liable to removal as prossible. And we would further suggest, that every District Superintendent should, atter appointment, be required to pay a leisure risit to the Normal School, so that, by being a perso. nal witness of the progress of the whole system, he may acquire a thorough insight into the proper mole of conducting the Model and Common Schools within his own jurisdiction. Add to which, we would suggest that he should be, ex-offerio, a member of the District Grammar School Commission.

Thus much with regard to the Upper Province. With respect to Lower Canada much more might very readily be added; but we content ourselves with earnestly imploring the Government to persevere in the laudable endeavour to awaken our misguided French Canadian brethren to the value of education-as a jewel beyond price-by every legitimate legislative means; and we would more particularly impress upon the Representutives of the people, that education is a sacred cause, apart from all mere party or political feeling whatever; and that a law once passed in its behalf, however imperfect it may be, it is the duty of all, without exception, to give their best aid towards its successful operation, till a better can be devised; and we have every confidence that, if the powertul influence of the members among

[^10]their respective constituents be zealouly added to the solemn persuasive voice of the ministers of religion, a reaction of the most cheering character must ere long be proluced, not only in behalf of that fir'st of blessings: education, but, as a natural consequence, in favour of municipal institutions aiso. In the meantime, till the worthy "habituns" shall become gradually reconciled to the latter, let the schoomaster, at all events, be encouraged to come abroad among them, altogether unfettered by, and unconnected with, any other enactment; and to accomphish this, all that is at present necessary, is to leave the whole of the management of the local elemen. tary schools in the hands of intelligent educated Commissioners, asisted by respectable school section trustees, \&c.; and to appoint well-selected District Superinten. dents, to complete the chain of connexion between the different branches of the system; to realise the foll intention of the theory of "the Royal Institution," by founding, wherever wanting, respectable County Grammar Schools, or Classical Academies, such as were intended and ought now to be in operation in the Upper Province; and to organize efficient Normal Schools, such as has been lately instituted at Toronto, to give a well-regulated uniform impetus to the whole! For what will all the schools in the world do without a body of truly respectable, well qualified, teachers to direct them?

Would that our humble, but fervently patriotic, appeal to our unitcal Legislature could prevail on them to advance one great step farther, in behalf of " a consummation devoutly to be wished," in at once abandoning, wherever possible, the narrow-minded growing Parliamentary practice of legislating for the two divisions of the same great British Province separately, instead of as a harmonious unity-as if they were inhabited by races of utterly irreconcilable habits, feelings, and principlesto the undesirable and impohtic perpetuation of uncalledfor jealous, if not uniriendly, national feelings and prejudices; and no better begianing can be made than with municipal and educational arrangements, for the benefit of the whole. In the cvent, therefore, of any revision of the School Acts of cither Province becoming ere long necessary, let our Legislature calmly retrace its steps, and frame whatever law may be brought forward, on an extended basis, similar to that of 1841, as applicable to the inhabitants of both divisions. But for such a movement to be productive of the noble results to be desired, let the course adopted be slow and sure, and, therefore, the very reverse of the annual tinkering practice which has titherto prevailed; and none can possibly yield a greater prospect of success than the wary procedure recommended by the Hon. Mr. Morris in 1841, in the emphatic words of the following resolutions, then suhmitted by him to, and unavailingly adopted by, the Upper House :-
Resolecd-That it is most important to the peace and welfare of the people of this Province, that an eflicient and well organized system of general education be, without further loss of time. established upon just and libcral principles; by which all clasee of Her Majesty's subjects shall enjoy equal advantages, and that the inhabitants of that part of the Province formeriy called Upper Canada, be forllwith permitted to reap the benefits of that ample provision which was made by His Majesty King George the Third, for the education of his subjects in that part of the Province.


#### Abstract

Resolved-Thrat in order to secure the assistance of those best qualified to devise a wise, efficient, and comprehensive plan for the edueation of the people, it is important to appoint a Commis. sion which shall fully represent the general interest of the community, with power to sit during the recess, and report throngh the (invernor at the next Session of the Legislature, the result of their labours, and the draft of a law to establish and endow Common Schools and District Grammar Schools, as Seminarics preparatory to the clucation of pupils intended for Upper Canada Collegrs, or for any University hicreafter establishod.

Resolverl-That a messare be sent to the Legislative Assombly communicating the Resolutions of this House on the subject of the appointinnat of a Commissioner to prepare and report a systen of general education, with a request that they will unite with this Howse in the aceessary measures for that object.


Much more might still readily be added on so inexhaustible and important a subject as the spread of education among a whole people; but we have already trespassed so far berond our limits, that we are constrained to bid our readers an abrupt farewell, in the humble hope that, as we have been unconscious of having either " nothing extenuated, or set down aught in malice," throughout the whole of our desultory observations, they may not prove altogether in vain; and thereby someirhat conduce " to hasten the great and grod $R e$ form, when mind shall reign." For, to borrow further the inspiring langunge of the great Lord Brougham, we feel that "the schoolmaster is abroad in the land; mind begins to assume his phace; and ignorance, with her handmaid vice, must recede hefore her like darkness hefue the morning sun, or clonds before the wind!" Or, if more suted to the immediate scene of our theme, let us, in parting bear in mind the emphatic patriotic words of a son of our own Canadian soil, the respected M. Mondelet, to whose Letters we have arore than once had the pleasure of referring:--" The prosperity of our tommon country-the moral clevation of its people-the happiness of generations to come-will essentially be dependant on the degree of instruction which is diffused. Let, then, no consideration whatever prevent any man from openly advecating, supporting, and furthering the cause of education; it is a duty we owe to ourselves, our children, our posterity. Liberal institutions we need never expect to be able to appreciate and maintain unimpaired, if the people are not instructed. Temporary and unsettled educational establishments have been productive of such distressing evils in this Province, that there can scarcely be any difierence of opinion as to the necessity of a permanent and fixed system being adopted, -a system such, that neither political strife nor accidents may obstruct its operation, and thereby deprive the rising generation of the bencfits of ellucation."
L.

Montreal, February 15, 1848.
The Pizineiples and Practice of Dental Surgery, by Chatin A. Harkis, MD., D.D.S., Professor of the Principles and Practice of Dental Surgery in the Baltimore College; Fellow of the American Society of Dental Surgeons ; Member of the Medico-Chirurgical Faculty of Maryland, \&c. \&e. Third edition; revised, modified, and greatly enlarged. With one liundred and fifty-six illustrations. Philadelphia: Lindsay"s Blackstone, 1848. Pp. 750.
In 1839 the first edition of the above work was Sfefed io the"public, bat the great Impetus that was then
being given to the profession by the exertions of a few liberal and devoted minds, in the institution of Colleges for the education of Dentists, and in the establishment of Societies and Journals, for the interchange of sentiment and diffusion of knowledge, so much increased the demand for the above treatise, that the author was indiced, a little more than two years ago, to place before the profession the second edition of his work, considerably augmented. The additions that were then made consisted of those portions which now form Parts 1st, $2 d$, and 5 th, with many other valuable acquisitions and improvements, that the advanced state of the dental science then made requisite. The acknowledged supremacy of Dr. Harris as a contributor to dental literature, had already created such a desire to obtain his writings, that, in a few months, he was again called upon to prepare his work for another edition, which is now before us.

The merits of this work, in its second edition particu. larly, have been so fully appreciated by both the medical and dental professions, that we deem it necessary, to state little else than what the author has already done in his preface, viz., that he has introduced many practical details, illustrations, and improvements, not contained in either of the former editions. We shall, therefore, content oursel es with noticing a fer points which particularly attract our attemtion. In the first plate, it is impossible to road the work, without being struck with the originality and excellence of its arrangement. DrWestcott says, in speaking of the second edition, "We are well pleased also with the arrangement of subjects; principles are first stated and clucidated, thus making, what would otherwise be arbitrary rules of practice, deductions from clearly illustrated and well established laws of the luman economy."
Part seventh is cotirely new, and cighty-seven new engravings have abo been introduced into the last edition, which have increased the volume by 150 pages; but this is by no means the extent of the improvements, for, to prevent increasing the work to an inconvenient size, the author has found it necessary to exclude from the present edition considerable matter contained in the preceding one which he conceived of minor importance.

Part first treats of the Anatomy and Physiology of the Mouth. The diflerent anatomical elements and their functions are considered together, a plan admirably adapted to a work of this description, inasmuch as it renders this portion of the treatise more concise, and at the same time offers the subject mater to the mind of the student in a more natural, interesting, and instructive form: Fach organ is neally and distinctly repre-
sented by an appropriate cut, so that the student may obtain from this portion of the work, a correct knowledge of structure and function, which is indispensably necessary as a basis of dental education.

Part second comprehends the physical characteristics of the teeth, gums, salivary calculus, fluids of the mouth, lips, and tongue. A knowledge of their distinctive qualities, enables the dentist at once to determine npon the degree of susceptibility of the teeth to disease under the various circumstances which they will be placed by certain operations, so that he may decide what remedy can most safely be employed. An indiscriminate use of the file, for instance, would most certainly do more injury in some instances than gnod in others. We have seen teeth from whose lateral surfaces the enamel had been removed by the use of the filc, for more than fourteen years, without the slightest change having taken place in the bony structure; and we have seen others that were entirely ruined by caries, in less than two years after the same operation had been performed upon them to the same extent. It is these unfortunate cases that have established the deep-rooted prejudices that so generally prevai! against the use of the file. And it is useless to deny that these errors are always the result of ignorance, for the indications which should guide the operator in the choice of his remedies, mechanical or surgical, are present in every instance, and ouly need to be understood, to he emplored successfully.

Parts third and fourth treat of the diseases of the teeth, gums, and alveolar processes, with their canses and treatment.

Part fifth includes the diseases of the maxillary sinuses, and their treatment.

This portion of the work appals with great force to the notice of the medical, as well as the dental profession. There are few medical men, or dentists, of much experience, who have not at some time met with diseases of this cavity, and notwithstanding they are often of the most formidable and dangerous character that the practitioner is called upon to treat, they have received but comparatively little attention from pathological and therapeutical writers. Many of the diseases, however, to which this cavity is subject, yield readily to treatment if promptly and properly instituted during their incipient stages; but if neglected, or improperly treated, assume a new, and so aggravated a form, as to bil defiance to every effort to remove them. The form which the disease takes on, is determined, to a very great degree, by the constitutional or specific tendencies of the general system, so that simple inflammation and mucous engorgement, in young subjects of good constiutions, might be pntirely overcomo by the purative efforts of nature, of
might remain in a chronic state for years, without producing any very mischievous effects; while, on the other hand, in a less healthy constitution, the same affection might, in a few weeks, cause ulceration of the living membrane, death, and exfoliation of the surrounding bone. Dr. Harris has done limself great credit in his efforts to throw light on this hitherto neglected subject, and deserves equally the thanks of the general, as well as the dental surgeon.

Part sixth comprises the entire field of mechanical dentistry, with the exception of the construction of artificial palates and obturators. In this portion of the work are found those practical details and illutrations that are so indispensably necessary in a treatise on the dental art.

To constract any piece of dental mechanism propery, it is necessary to divide the work into a great many stages or steps, and each one particularly must be done in the most accurate manner, before the next is comwenced, for neither can be altered afterward; and the success of the dental artist depends, not so much upon his knowlcdge of any one great principle, as of scores of little ways and means, no one of which, though scemingly unimportant in itself, can be omitted without marring the lieanty or utility of the work. This accounts for the fact, that there are a great many excellent surgical operators, who, notwithstanding they may possess good mechanical geniuses, are nevertheless indifierent artificial worknen. To such men, as woll as the student, a work so rich in practical detail as the one under consideration, must be of very great value ; for there seems to be nothing omitted, from the melting, purifying, and alloying of the gold, to the placing of the work in the mouth.

Part the seventh treats of the diseases and defects, of the palaine organs, witi the most approved methods of remedying the same, both mechanically and surgically.

In every part of the volume we see evidences of great practical and theoretical knowledge, the result of many years of elose application and experience; and the work is characterised by an originality of thought, and independence of opinion, equally calculated to elicit truth and expose crror.
E.

Letler to the Right Hon. Earl Grey, one of Her Majesty's Most Honourable Privy Council, and Secretary of State for Colonial Affairs, Emèracing a Siatement of Facts in Relation to Emigration to Canada during the Summer of 1847, by the Hon. Adam Ferrie, member of the Legislative Council, Chairman of the Executive Lay Commission for Emigration, Montreal, Pilote, Pp, I6.
The year $164^{7}$ will be a memorable one in the annals
of Canadian emigration, from the number of emigrants shipped from the mother country, the reckless manner in. which they were sent out, and the consequent evils attendant on it-evi's felt as much by the unfortunate emigrants themselves, as entailed upon the inhabitants of this Province in general, but more particularly experienced in the cities of Montreal and Quebec.

It would be reasonably expected that the philanthropic and benevolent spinit which excited the landlords of Great Britain to send out their surplus population to this country, in which means of subsistence are more easily procured, would have prompted to every necessary arrangement for the health, comfort, and sustenance of those thus sent out. But never was expectation so far from being realized. The fault was, however, less that of the landlords than of the owners and captains of vessels, whose avarice prompted to proceedings succecded in turn by most distressing consequences.The largest ships, in most cases, were crowded to excess, and only yielded to the slave ships in those disgusting details which distress the mind and thrill the feelings with horror. Disease, in its most revolting form, ragod among the inmates of these floating charnel houses. The angel of death hovered over each cargo of living souls, and revelled in mortality. The deep swallowed up its share, and, after arrival, the progress of the remainder to the interior was marked by innumerable graves. Dur means of information are still too scanty to permit us to estimate the actual mortality which took place among the one hindred thousand who left the British islands, in a state of comparative health, and certainly under circumstances, if the simplest precautions hal heen adopted, which would have mantained them in it; but we do not think ourselves far wrong in presuming that mortality to have been not much short of one-filth of the whole number; and, as the disease under which they chiefly laboured was fever, in one of its worst forms, the mortality of which is rarely less than one to every ten cases attacked, but the sate of which, as witnessed last year, was much greater, we scarcely consider ourselves wrong in the assertion that not less than from $\$ 0,000$ to 90,000 of these unTortunaie creatures were stretched upon a bed of suffering daring some period of their journey. This sinuple statement may give some juea of the extent to which Jisease existed among them, and the fearful mortality which thinned their ranks.

The Hon. Mr Ferrie, in the pamplilet before us, calls the attention of the nobleman at the head of colonial affairs to the circumstances in question and their causes, briefly alluding to the injurious consequences entailed upon the Province. Perfectly familiar from his long connection with the emigrant department of this ProVince, of which he has been for many years chairman, and certainly one of its most actice, zealous, and indeTatigable members, the author treats his sibject vell, although lie might have made out a stronger case, were such needed. The attertion of the Imperial and Provincial Governments are now earnestly directed to the quicstion, and it is not too much to hope that measures will be speedily adopted to secure a more healthy immigration for the fature.

Reports on the Solution of Chloride of Zinc, (Sir William Burnett's Disinfecting Fluid, as an Agent for the Destruction of Deleterious Gases, or the Effu: via arising from the decomposition of Animal and $V$ Vegetable Substunces, for Purifying the Wards of Hospitals or Sick C'hambers, and for Preserving Anatomical Preparations. London ; Printed for Her Majesty's Stationery Office, 1847.
In 1838; Sir William Burnett, M.D., first had the chloride of zinc extensively used for the preservation of canvass, cordage, and timber; and atterwards cons. ceived the idea that it might have the effect of preventing or checking decomposition in other bodies, and the results answered his expectations. The publica: tion before us states:-
"It is not intended the claim for the solution any direct in. fluence over the mure subtie elements of which the contaigion of febrile and exanthematons diseases is supposed to consist, although it yet remains to be proved whether it has or has not somo cone trolling power nver these; were presumptive proof adinissible, evidence is not wanting to warrant the conclusion, that it has at least a modifying influcnce. * * It is, moreovor, a consideration of no minor importanec to know that the fluid being innocuous in itself, no evil consequences need be apprehended from its most abundant nst-a quality not possessed by several other substances and fluads employed for disinfecting or purifyiny parposes."-Page 5.

Then follow a number of testimonials from sur: geons, captains of ships, ship-wrights, and others, certifying to the fact, that the solution of the chloride of zinc destroys the disagreeable odour of bilge-water, and of the holds of ships. In the second part of the publication we have remarks on the uses of the fluid for anatomical purposes, and for preserving objects of natural history; it prevents, for a considerable time, decomposition; it arrests it when already begun, and it destroys any disagaceable odour arising from this incipient decomposition ; the scalpel of the dissector is not blunted in consequence of its having been used either by injection or sponging ; all these are groat advantages, and are stated to result from using tho fluid by Professor Sharply, Mr. Bowman, Mr. Pentigrew, and Mr. Partride, anatomical teachers in London, and Sir James Murray, the Dublin Inspector of anatomy.

In the third part, are renarks on the action of the fluid on the offensive effluvia in hospital wards; sick chambers, \&c. After noticing various objections to the use of chlorine-gas, chloride of lime, and vinegar, it is observed that:-

[^11]that mineral on those exposed to them ; so it is submitted under every precaution will these of lead produce its specific effects, nimely; obstinate colic, paralysis, and permanent decripitude. The danger attending the application of the sulutions of lead, mercury and arsenic, to even superficial sores, is weil known to every medical man; in an equal degree should the commmity bê advised of the danger of these poisons when applicd directly tot the body, different in the foui' atmosphere of an ill-ventilited house, in the wards of a crowded hospital, or between the densely$p_{\text {In }}$ eited decks of a ship."-Puge $1 i$.

We do not entirely coincide with the anthor of the report in the swepping censure cast upon preparations of lead, especially of the soluble ones conreyed in this extract. While fully prepared to admit the deleterious agency exerted by the carbonate under the circumstances in question, we are not quite prepared to adopt the swepping conclusion which the anthor arrives at. We admit that analogy furnishes a very strong argument in his favour; but the proof is bat presumptive in faroar of analogous results flowing from the use of the soluble salts of lead, and we apprehend that the profession generally would desire a direct proof before acquiescence in this verdict. Experiments on this subject are still a desideratum.

We have opinions regarding its efficacy in destroying the disagreeable and unhealthy odours of hospitals, from a number of medical men, and amonir others, from Sir John Richardson, M.D., (the Arctic traveller, and an Inspector of Naval Hospitals and Fleets, and who, by the way, will likely be in Montreal this monih, on his overland journey in search of Sir John Franklin.)

In one hospital in Ireland, it is mentioned, by Dr. Lindsay, that the mortality became less after they began to use the chloride of zinc solution, and the same is also stated with regard to another hospital by Dr. Cronin:-(Page 21.)

We have receired a specimen of Sir Wm. Burnett's fluid from Dro Siratton, Royal Navy, (3, Ostell's buildings, Craig Street,) who will be happy to give some to any medical gentleman or others interested in the subject." We hope that Dr. Stratton will soon publish the resuits of his own extensive and varied trials of, and experiments with, the fluid.

The Journal of Education for Upper Canadu. Vol. 1. No. 1. January, 1848. Pp. 32.
For the purpose of disseminating information relative to the important object of education, this monthly journal has been established. Its chief editor is Dr. Ryerson, the Superintendent in Canada West. The journal is a neatly printed octavo, and contains a rariety of valuable information on the sulject in question, addressed in an especial manner to the Upper Canadian population, but not the less useful and important outt of that section of the Province. In superintending the important department of education in the sister Province, Dr. Rycrson moves in a sphere for which his talents eminently adapt him, and which will be reflected in this publication. The attempt to diffuse information in the way specified is' praise worthy, and we hope that an undertaking which promises to prove of such great utility, will be adequately sutained, for the sub.
ject appeals directly to the best feelings of every parent and philanthropist in the Province.
Agricullural Joun nal, and Transactions of the Louter Canada Agricultural Society. Vol. 1. Nos. 1 and 2. Montreal. 1848.

The two first numbers of this periodical have come to hand. It is published under the direction of the Lower Canada Agricultural Society, is to be issued monthly, each number containing 32 large octavo pages, filled with matter of a practical nature, and is eminently well calculated to promote the interests of the agricultural population of the Province. It is under able management, the editorials and selected matter both erincing a discriminating and sound judgment. Athongh the editor's name does not appear, we have no difficulty in detecting the style of our old friend Mr. Evans, whose writings on this subject have acquired for him an envied reputation. Judging from the appearance presented by the two numbers before us, wo have no hesitation in predicting for the journal a long and prosperous career of asefulness.

## PRACTICE OF MEDICINE AND PATHOLOGY.

On Nruralgin trated Endermically by Morphia, hy Dr: Gar: tere.-In a paper read befire the Medical Society of Nailifis, Dr. Gattere reports four cases of neuralgia, cured by the application of the acetate, or the muriate, or the sulphate of morphia to blistered surfaces. The first was a case of neuralgic pains of the breast, the mamna, and over the shoulder-blade, in a female of 62, l.ft, as often happens, after an attack of shingles. Three blistered surfaces were produced, and about one-hird of a grain of the acctate of motphia was added to the application used at each dressing. The cure was rapid, though many means of treatment had been befare resorted to in vain. The second case is that of a female tormented with a very painful hemicranium. Three blistered surfaces were made on the forehead and temples. which were dressed eight times with muriate of morphia, the whole guantity used being hetween three and four grams of the salt. On the first dressing, the pain was at once relieved, retinning again to be removed at the next dressing, and so fimally was subdued. The only inconvenience was a momentary acute paia at each new application. The third case was that of a femile, agred 50 , suffering under a sciatica, against which, for a monith, thany common remedies had been employed. Blistered surfaces were made in the course of the pain, and dressed twice a day with about a sixth part of a grain of sulphate of morphia. Relief was obtained from the first, but was temporary, as the pain returned at the cad of threc hours, though less severe. Thequan. tity of the sulphate was by degrees increased to two-thirds of a grain at each dressing, and the blistered surfaces were successively made downwards from the upper part of the thigh to the herl, where the pain at last had its principal scat. The treatment altogether extended to a month; at the end of which time the curu was complet.e. The applicution of the narcotic caused acute pain fir ten or fifteen minutes, after which tiic neuralgic pain sübsided. The fourth case was one of dental and fucial neuralgia, which yielded to a like treatment-Braithwaite's Retrospect.

Comnection of Rhnumatism with Chorea.-Mr. Peacock, of Darlington, records three cases of this complication, under the impression that he is advarcing a novel observation. Without referring to the oft repeated conincetion of chorea with pericarditis, and of this latier discuse angin with rheumatiom, which so our minds is much the same thing as noticing the immediate connection of chorea and rheumatism, we may remind him that the direct relationship of the two diseases has within the last few months been insisted upon by Dr. Begbie, (Monthly Journal, April, 1847.) Mr. Peacock's cases are as follows:-.

The first case I have to meation is that of a girl, aged 12. When called in, the symptoms were simply those of febrile excitement, for which saline purgalives were given two days succossively. On the third day there was decided chorea, with slight fever. I gave her a mixture, with Fowler's arsenical solution and Tinctura Opii, (three drops of the first and five of the latter for a dose, ) every six hours. This she took regularly for two days; on the third day the chorea subsided, and well-marked rheumatic symptoms, swelling and pain of the joints, and increase of fever, came on. She had then Dover's powder in sudorific doses every four hours, with occasional purges. In a week from that time the pain had nearly left her, and she soon recovered without any relapse.

Case 2.-A girl, about nine years of age. On March, 7th, 1846, feverish symptoms, for which calomel purges and saline mixture, with Vin. Antim., were given. 8th ditio, 9th, every symptom of acute rheumatism. Dover's powder, with a nixture containing Vin. Colchici, to the 266 h , when the rheumatism subsided, and chorea immediatly supervened. For this, pills, with bismuth and an arsenical mixture, to the 8 th of A pril, when the chorea began to abate. Quinine was then given to A pril 14th, when, the chorea having disappeared, the rheumatism in a subacute form again came on; the joints swollen and very painful, but not much fever. 'The quinine was continued, and Dover's powder, twice or three times a day, added to the treatment. This was pursued without change to May 13th, when palpitation of the heart, soon followed by cedema of the extremities, became the prominent symptom, for which diureties in various forms were given, but without effect, and the case was eventually removed from under my observation apparently in a hopeless condition.

Case 3.-I did not see this at the commencement : the subject was a farmer's boy, aged 14. From the account which his friends gave, it appears he had had acite theumatism about two months before; it had now passed into the chronic form ; there was no fever, but great pain in the joints, especially the ankles which were not swollen ; general debility, want of sleep, \&c., A mixture with hydriodate of potash, and ten graius of Dovers' powder at bed-time, gave immediate reliel, and was continued for some weeks, when a very urgent message came for me to visit him; he was some miles distant, and I was unable tu attend im. nediately. On my arrival I found the boy's friends and neighbours in great alarm, and perplexity about him, he having betn, as they said, quite suddenly attacked in a most strange way, and, as it appeared to them, he was "going out of his head" On $\in$ n. tering the house 1 found him in the most complete state of cho. real ever saw, both sides being apparently equally affected; he had an anxious and frightened expression, and gave short and confused answers. 'This, with the strange antics which the disease occasioned, had, no doubt, impressed the good people with the idea that he was deranged. I ordered him a pretty strong arsenical mixture every six hours, with a $d$ se of calomel and opium at bed.time. On the following day I was glad to find the violence of the chorea had almost immediately subsided atter the beginning with the medicine. The disease, however, continued obstinate, and had to be treated with arsenic and some. times quinine for upwards of two monthis.-Medical Times, Nov. 27, 1847 .

Cold Applications, with Opium and Quinine, in Acute Rheumntiom. - In a case of acute rheumatism, complicated with nodes on the shins, and syphilis, an ineffectual attempt to obtain the specitic effects of mercury had been made in the commencement of the case. When in health the patient weighed 220 pounds. He had been confined to bed four months, and when admitted was unable to bend the knee, wrist, elbow, or finger. joints, without great pain. Cold water dressings were kept constantly applied to the puinful joints, half diet was allowid, and he took at bed-time, every night, two pills, composed of four grains of opium, and four grains of sulphate of quinine. On the tenth day of treatment he left his bed. His weight was 136 pounds. At the expiration of twenty days the pain had disappeared: the quinine and opium were discontinued. There still yemained thickening and sliffness about the joints. For this condition phosphoric acid in syrup of Prunus Virginiana was prescribed, as follows : - R. Sol. Acid. Phosphorici, dr. ij.; Syrup. Pruni Virg., q s. ut. ti. or, viij. M. Capt.or. ss. in Aq. Font, oz. iv, quarta quaq. hora. Euder this treatment the finuctions of the
joints were perfectly restored, and the patient gained twenty pomels in weight in thirty days, and the nodes disappeared.

While taking the quinine and opium, the bowels, which had heen previously constipated, were regularly removed once in twenty-four hours; but under the use of phosphoric acd, it was found necessary to occasionally prescribe castor oil and an anodyne at night.

Dr. Ruschenberger, of the U.S. Navy, who reports the cise, has been in the habit of treating acute rheumatism, upwards of two years, by cold applications to the hot and swollen joints, and administering at night from three to six grains of opium, with an equal quantity of sulphate of quinine, regulating the quantity by the condition of the pupil alone. With a dilated pupil, he found patients to bear the largest dose without inconvenience, and he has not yet met a single case in which pain was not completely removed in from twenty four to thirity six bours, provided the attack were recent, or not more than a week's duration. Large doses of opium, especially in combination with sulphate or quinine, do not tend to constipate, but rather to relax the bowels. After the pain is removed by the opium, ho then resorts to the use of the iodide of potarsium, in medium doses, say from five, in. creased gradually to ten grains, three or four times daily.

Passed Assistant-Surgeon S. Holmes, who witnessed the result of this practice in his hands, has made trial of it on the coast of Atrica, and with entire satisfaction.-Amer Jour. Med. Science.

Remedies for Incontinence of Urine.-I. Benzoic acid has been employed with success against this complaint; it is given in doses of twelve grains daily, half in the morming and half in the evening, and this dose may even be doubled. M. de Fraene, of Brussels, records a successful case in a girl between 13 and 14 years of aye, who was aftacked with nocturnal incontinence, after recovering from a second attack of acute rheumatism. The complaint was neglected for several monthes there was no pain in that part, the appetite was good, and the bowels regular, but the face was pale. Various remedies were employed without success, after which, two drachms of benzoic acid were made into forty pills, four of which were taken night and morning, and the complaint was completely cured.
2. A woman, aged about forty years, was received into the Hote'-Dieu, under M. Guerard, to be reated for incontinence of wine and pulmonary emphysema. The first infirmity appeared to depend upon a phlogosis of the neck of the bladder. The urine passed involuntarily both nght and day. The asthma was treated with acetute of ammonia. The emphysema was much ameliorated, the respiration became more easy, and the asthmatic attacks after a few days ceased. The incontinence of urine, however, continued, for which enemala were ordered, containing four grains of camphor dissolved in yolk of egg, and mixed in a litule water, so that it might be retained in the rectum. This trealment alone suificed to remove the incontinence for some time. In a few weeks, however, it returned, and was once more moved in the same manner. At present the enemata are con. tinued as a prophylactic, the cure seems to be permanent.-nAled. and Surg. Jouinul.

Rapid Mode of Prolucing Vesication.-Apply six drops of a mixture of one drachm of liq. ammonix fortissimus, and two drachms of olive oil, to the woollen side of Markwick's sporgiopiline, and press this gently against the skin. In the course of ten minutes a perfect blister is formed.-Pharm. Jotwn., Fetw, 1847.

Singular Case of Cutaneous Disease.-By Joha Babclay, M.D., Leicester.--Sarah Anne Moss, aged two years and three months, a very intelligent child, of poor parents, was first brought to me on the 27 h of last September, in a state of extreme emaciation, suffering from profuse diarrheea, the stools occaionally containing blood and pus, with eczema, and to a distressing extent. I prescribe! warm baths; the Decoctum Cetraria, ad libitum; small doses of Hydiarg. cum Creta, and Pulv. Creta Comp., night and morning; with a diet of strong animal broths and jellies.

On the 5th of October, the eczema was much less intense, the diarilura continuing. I now prescribed quinine and sulphunic acid, with tincture of kino, and a drop of laudanum
three times a day; and sinapisms to the addomen, with the same diet, \&c.
On the 8th, the child was decidedly better, and had become so cross as hardly to suffer me to enter the house. The stools were much more natural, and fewer in number; while the eczema ani had quite disappeared.

On the 14th and 17th, I found her steadily inproving, with a good appetite, and healthy evacuations.

On the 19 th, she appeared to droop a little, having been doing well till then, contrary to the expectations of her parents.

On the $20: \mathrm{h}, \mathrm{I}$ found her worse, and was infurment that on the afternoon of the previous day, a small red spot, abont the size of a sixpence, had appeared under her chin, and had rapidly spread until it assumed the formidable appearance it now presented. There was m swelling nor hardars, the tedness being well defined, and terminating abruptly in the healthy skin. It was quite continuous, and extended wer the fore part of the neck, the chin, and the lower part of both cheeks. The cuticle was entirely separated from the cutis, and the serun distended it at the dependent pootions. When the cuticle was removed there was a copions clear discharge from a red and angry surfaci. It looked precisely as if a kettle of boiling water had been poured over it, or a large blister had been applied to the part. The child lay on her back, dreading motion, with the extremities cold, and would take nothing but milk, which I allowed plentifully, and directed fincly-nowdered starch to be dusted on the neck.

On the 21st, 1 found matters worse, the disease spreading over the neck, and continuing to present the same appearances. There was a red spot on the nose, and also on one of her fingers; the stools had again become unnatural and slimy. I directed a little port wine to be given, and as much milk as she chose to drink.
On the "2nd, it had spread all over the upper part of the back, and over the left scapula, where there were a fuw blackish spots like gangrene, and the stench was very unpleasant. The redness appeared to extend in the first instance, serum being then uniformly and rapidly effused under the cuticle. : There was no heat nor swelling of the affected parts; the bowels were more natural.
She continued peifectly conscicus to the last, and her death, on the $\gtrsim 3$ rd, was hailed by her parents as a deliverance from suffering. The emaciation was extreme, and the body looked exactly as if the child had been dipped in scalding water, the cuticle being entirely separated foom the mape of the neck to the nates. The appearances and smell which I had thought to indicate gangrene, were, contray to my expectations, gone.

I felt extremely at a loss what diagnosis to make of this disease. To erysipelas it bore no resemelance, particularly in that the entire part affected continued discharging serum to the last. And I may add, that two practitioners, of extensive experience, to whom 1 showed the case, were equally unable to assist me in forming an opinion.-Prov. Med. Gazette.

## SURGERY.

Ricords Opcration for Phimosis.-1lis method is as "Fol-Lows:- The penis is allowed to remain in its natural position, and no traction is used: a circular mark is made with ink upon the prepuce, about two lines anterior to the base of the glans, and parallel to the corona: a long and strong needle, its point covered with a wax head, is then introduced between the glans and prepuce, and made to pierce the whole thickness of the latter, on the mesial line, and a little in front of the circular marl. The mucous membrane
and skin of the prepuce are thas fixed, and the needle s allowed to remain. Behind it, and in a lorigitudinal direction, a fenestrated forceps, with notched edges, is then firmly applied. The fenestre of the instrument correspond to the circular mark and the glans; at this stage of the operation the latter is to be pushed backwards. The next step is to pass sutures, five or six in number, through the fenestrx; and when all the threads are applied, the prepuce is shaved off with a bistoury made to glite between the needle and forceps. The latter is then withdrawn carefully, so as not to di-turb the ligatures. The assistant should be desired to press the forerps very tighty when the prepuce is being shaved off ; if this be neglected, the propuce will yield, atid, the sutures will be cut. When the forceps is removed, the, atteries which are moticed to bleed, shonld be tied or subi-. j -cted to torsion ; the threads which pass afove and bolow. the glans are then divided in their centre, and the respective ends of each half resulting from this section are tied, to bing the murons membrane in contact with the shin. of conrse there will be twice as many sutures as there were threads pissed.

Treatment.-We should, after this operation, enforee rest, low diet, a persions of culd water, and eamphorated pills; union by first intention rarely takes phace completely. The submucons cellular dissue will generally be found intiltrated with serosity on the next day, Lut it is gradually re-aisoibed. The sutures onght to be removed on the fourth day; they might, if left longer, lacerate the tissues. The parts are usually healed up by the tenth or fifteenth day, excepting in those cases where the union by first iniention takes place: as early as the fourth or fith.-Lancet, Nov. 27, 1547.

New Melthod of Reducing Hermia of Iris.-This consists, simply in cauterizing a spot, at a distance from the hernia, with nitrate of silver; it is based on the following data:1. Hernia of the iris through the comea does not become thisorganized for some days. 9 . The protiaded iris, irritated ty the contact of the tears or the air, or by the friction of the superior eyelid, or even the edges of the ulcerated cornea in which it is imprisoned, has a tendency to swell, and the irritation and swelling prevent mortification and arrest cicatrization. The pogressive engagements of the iris is proved by observation; if a recent hemia be touched with an ini-tating body, it instantly acquires three times its origimal size; and if we watch the progress of cicatrization in the: ulcer of the cornea, the hemia being unreduced, the pupil is found to diminish by degrees, and even to disappear. Aithesions are established hetween the iris and the cornea before the iris is disorganized; for a few days these ere vely weak and may be destroyed at once by augnenting the vas.:cular uction of the parts which furnish them, or by a; new inflammation developing itself in another part of the eye4. The materials of adhesion are in the first instance furnished by the cornea; the cornea is in a morbid state at the point: at which the healthy iris protrudes. 5. These materials are derived from the divided vessels of the ulcer, the origin oc. base of these vessels being at the circumference of the cor-: nea. 6. By irritating the part in which the base of these vessels ramify, the secretion at the ellese of the ulceration is: angmented; in this way a fluid secretion may be indaced around the hernia, which will destroy the imperfect adhe:sions, and give freedom to the iris in the ulcer, which latter is angmented in size by the secretion. 7. By puting the iris mader the influence of belladonna before producing such. an irritation mechanically, we obtain a power, placed behind the cornea, acting from before in a direction backwards, and capable of reducing the hernia.
After this beautiful chain of pathological reasoning; Desmarres states:-A portion of the iris having projected through an uleer of the cornea, and instillations of belladon-
na having been used for some days without any beneficial reresult, it may be inferred that the pupil has been rendered as large as possible by this agent, the operator proceeds thus:

The upper eyelid being held by an assistant, and the lower eyelid depressed with the index finger of the left hand, he applies with the right hand the point of a pencil of nitrate of silver to the conjunctiva of the bulb, close to the cornea, and cauterizes it in three or four points as energetically as possible, without penetrating the mucous membrane toodeeply. A very active irritation of the vessels which teed the ulceration of the cornea is thus provoked, and the secretion necessary to set the iris free is the result. Sometimes, instead of points, a line of canterization is made in the neighbourhood of the hernia, acd in some instances, where the first cauterization has failed, after an interval of two or three days, a second, third, or fourth even, on the cornea, but taking the greatest care that the caustic does not extend to the iris, otherwise the hernia would at once be increased. In a rare instance success was not obtained until after the 8th application; but the reduction is generally effected after the first, second, or third. Desmarres has succeeded in so many instances by this method, tbat he has ceased to count the ope-rations.-Mr. Ancell's Report on Ophthalmic Surgery, HalfYearly Abstract, Vol. VI.

Treatment of Umunited Fractures - Mr. Rynd, after alluding to the practices invariably adopted in the above cases, such as friction of the ununited fragments, cutting down and romoving the extremities of the bones, and passing a seton hetween them, as recommended by Dr. Physick, of NewYork, suggests a modification of the latter, as exbibited in the following cases :-

1. Eliza Kavanagh, had facture of both bones of the leg five inches above the ankle joint. Splints applied, but bony union not obtained. After eleven weeks, Mr. Rynd introduced a seton in the following manner:-A curved needle was passed into the inside of the leg opposite the fracture, through the integuments, so deeply as nearly to toach the posterior internal edge of the tibia; it was then directed in a semicircular course anteriorly, over and close to the permanent extremities of the fractured bones, and was brought out on the outside of the limb, so that the fracture lay between the parts of its entrance and exit ; it did not touch or pass between the fractured extremities. Yerfect rest was enjoined, and on the glst day union was established.
2. John Reilly, aged 30, had ununited fracture of the left humerus, immediately above the condyles; fragments moveable, and produce pain by pressure on the brachial nerves, when the cervix is raised. On the 10 th a seton was introduced with the same precaution as in the former case. The arm was released from the splints somewhat too soon, but the union was ultimately perfect.
3. William Archer, aged 13, had oblique fracture of the femur fifteen months since; motion perfect between the fragments, but no grating, shewing that there is ligamentous union. The boy is of a scrofulous habit. On the 14th, a seton was introduced posteriorly to the bones, and brought out in front. Dessault's apparatus was applied, and perfect rest enjoined. The seton was removed on the 28 th. In a inonth's time the fractured portion appeared to be firm, and in another week the boy walked without a crutch.-Dublin Quarterly Journal, 1847.

New Method of Applying Ligatures to Tumours.- Piofessor Ferguson and Mr. Walne have both described this method. It consists in passing a double ligature through the base of the tumour and then dividing it; a needle with the eye to the point is then threaded with one tail of the ligature, and passed also through the base of the tumour at right
angles to the double thread; this tail is withdrawn from the needle, and the eye threaded with the other tail of the double ligature; the needle is then drawo backwards, hringing with it the second ligature, which then passes at right anyles to the original domble ligature, and through the same channel as the first tail. The end of the ligatures having been left long enough for tying, there are now two ligatures, forming two figures of 8 , each embracing two opposite segments of the tumour, and the surgeon has only to tie the ends of each ligature once, in order to command the base of the tumour. - Medical Gazelle.

## MIDWIFERY.

Lesions of the Nervous System, in the Puerperal Stale, connected with Alluminuria.-Dr. Simpson has related some cases illustrative of the effects of Bright's disease, as denoted ty the appearance of albumen in the urine under the action of heat and nitric acid. He draws the following conclusions:-

1. Albuminuria, when present during the last periods of pregnacy and labour, denotes a great and marked tendency to puerneral convulsions.
2. Albuminuria, in the pregnant and puerperal state, sometimes give rise to other and more anomalous derangement of the nervous system, without proceeding to convulsions, and Dr. Simpson has especially ohserved states of local paralysis and neuralgia in the estremities, functional lesions of sight (amaurosis, \&c.,) and hearing, hemiplegia and paraplegia more or less fully developed.
3. Fidema of the face and hands, going on occasionally to general anasarca, is one of the most frequent results of albuminuria in the pregnant female.
4. The presence of this cedema, or of any of the lesions of the nervous system, with or without the adema, should always make us suspect albuminuria; and if our suspicions are verified by the state of the urine, we should diligently guard, by antiphlogistic means, \&c., against the supervention of puerperal convalsions.
5. Albuminuria and its effects are far more common in first than in later labours, and these constitute a disease which in general disappears entirely after delivery; but Dr. Simpson has seen one case commencing with slight bindness, but no cedema, and ending gradually in hemiplegia, where the palsy partially remained after delivery, a ad after the disappearance of the albuminuria. In another patient amaurosis came on with delivery, and had been present forsix months when Dr. Simpson first saw her. There was no cedema or other symptom of albuminuria except the amaurosis; but, on testing the urine, it was highly albuminous.
6. Albuminuria, with convulsions, \&c., occurring in any labour later than the first, generally results from fixed gramolar disease of the kidney, and does not disappear after delivery.
7. In puerperal convulsions, \&c., produced by albuminuria, the inmediate pathological cause of the nervous lesion is perhaps some unascertained but poisoned state of the blood. Is there a morbid quantity of urea in the blood? In several specimens of the blood of patients suffering under severe puerperal convulsions, furnished by Dr. Simpson to Dr. Christison and Dr. Douglas Maclagan, these gentlemen had been unable to detect any traces of urea. Is the poisoning material caseine in morbid quantity or quality? The dependence shown by Gluge and others of albuminuria upon stearosis of the kidney, makes this connection worthy, perhaps, of some inquiry.
8. In cases of severe puerperal convulsions, \&c., from albuminuria, the renal secretion is in general greatly diminished, and Dr. Simpson has found active diuretics apparently of great use along with or after venesection, antimony, \&ec.,
especially where the case was offering to become prolonged.
9. Sometimes liemiplegia supervenes duing pregnancy without albuminuria, but this form does not seem to interfere materially, or very dangerously, either with the pregnancy or labour-the disease running in its own usual course. In one case Dr. Simpson has spen the patient gradnally but inperfectly recover the use of the palsied arm atter delivery. In another no improvement occurred.-Transact. of Edin. Obstetric Socicly.

Puerperal Convulisons connetied with Inflammation of the Kidney.-Dr. Simpson has pointed out the counection of puerperal convulsions with delangement of the kidnes, as a very striking fact in obstetric pathology. He lias seen posimortem appearances of nejhritis in sotine fatal cases of convulsions.

Case I.-In this case, the patient, a delicate female, was extausted by the paiss of labour, and complaining of severe healache when the convulsions supervened. Dr. Niven promptly and easily delivered the chide, which was dead, by turning. The convulsions gradually subsided, but re-appeared seperal times. In the intervals she was profoundly comatose ; and, in this state she died about forty hours after the first attack. Post-Mortem appearances.- When the lateral ventricle of the right side was opened, fluid blood escaped. The corpus striatum and outer part of the optic thalamus were broken up, and mixed with a large quantity of coagulated blood, forming a clot of larep size. The fluid blood was found in the opposite lateral ventricle, and also in the third and fourth ventricies. The right tidney was converted into numerous cysts, of about the size of a walnut, containing unhealthy pus, which passed along the ureter and filled the hadder. The left kidney exhibited an advanced stage of Bright's disease.
Case II.-Dr. Simpson lately saw, with Dr. Carmicheel, a lady, who had so peifectly recovered after a labour which was quite natural, as to have been out at church, \$c. Seven weeks, however, atier delivery, after some sudden anmalous affections of sight and hearin, for thirty or forty hours previously, she was seized with the most severe courulsions. Despite fiec evacutions, \&c., they continued to recur from time to time, and proved fatal in threc hours; the patient during that time never being perfectly sensible. The pelvis of each kidney was filled with a whitish purulemt-lite matter, and its mucous lining membrane coated with large patches of atherent coagulable lymph, or false memb:ane. The ventricles of the braim were distended with serons fluid. The urine, when tested, presented no sign of albumen.
Case III. - In a thid case, one fit of convulsions came on a month before delivery, and recurred again in a severe and fatal form fourteen days after continement. During the intervening six weeks the patient was free from any symptoms, and the labour was natural. The last attack came on suddenly in the evening, about nine o'clock; the convulsions were again and again repeated, and she died comatose in cight hours. Dr. Maclaran, Dr. Mandyside, and Dr. Sumpson, examined the urine during this last attack, but found in it no traces of alhumen. On inspecting the body, some whitish turbid fluid was found in the senal pelvis, and could he pressed nut abindantly from the renal papilte. If looked like pus. On microscopic examination, it seemed to contain merely a very large quantity of epithelial cells, and no pus-olobules. Was this inllammatory? There was no effused fibine or coagulable lymph.-Prov Med. and Surg.Journal.

On Retroftecion of the Uterus. From a paper read before the Medical Society of King's College, London, November 18, 1847. By Ervdeatch Johin Ilensiey, M.B., Lond., Vice-President of the Society,-'The diseases of the nterus
have been hitherto much neglected by the profession, and are in general but little studied by the student of medicine iin' this country, and c.nsequently, the profession, as a body, are to a great extent ignorant of their diagnosis and treatment; yet, without a knowledge of uterine disease, both functional and organic, it is impossible satisfactorily to treat the numerous disorders to which the female sex is liable.

Till within the last few years very litite was known of the displacernent of the womb, denominated retrofexion. We find in authors verv vague notices of it, as a pure and interesting aff.ction. Dr. Denman is the first author who speaks, of it in his treatise on Midwifery and Diseases of Women. more particulanly describing retroversion of the uterus, as it occurs in the pre nant state, which is a perfectly distinct affection from that under consideration. He siys, "The retroversion of the uterus has generally occurred about the third month of pregnancy, and sometimes after delivery; it may likewise happen when the uterus is from any cause enlarged to the size it acquires about the third month of pregnancy, but not with such facility as in the pregmant state, because the enlaryement is then chiefly at the rundus. If the uterus. is bit little enlarget, or if it is enlarged beyond a certain size, it cannoi well be retroverted; for in the first case, should the cause of a retroversion exist, the weight at the fundus would be wanting to produce it, and in the latter the uterus wonld be raised above the projection of the sacrum, suppoted by the same. Another complaint similar to that which we have been describing, and which has been called a relroflexion, has occurred in practice. By this term is implied such an alteration in the position of the parts of the uterus, that the fundus is turned downwards and backwards between the reclum and vagina, whilst the os uteri remains in its natural situation, an alteration which can only be produced by the curvature or bending of the uterus in the middle, and in ne particular state-i.e., before it is properly contracted after delivery. A retention of urine existing at the time of delivery, and continuing unrelieved afterwards, was the cause of the retroflexion in the single case of that kind of which I have been informed by Dr. Thomas Cooper, and symptoms were like those occasioned by the retroversion. When the urine was drawn of by the catheter, which was introduced without difficulty, the fundus of the uterus was easily replaced by raising it above the projection of the sacrum, in the manner advised in the retroversion, and it occasioned no further trouble."
The following historical notice was published by Madame Brivib, in her "Traite Pratique des Maladies de l'Uterus et de ses Annexes." "Dr. Denman's case was nearly forgotten, when an observation, forwarded by Madame Boivin to M. Ameline, and published by that gentleman in his thesis on 'Anterversion': fixed the attention of practitioners of midwifery ; since that time incurvations of the unimpregnated uterus have been often recognised, and rationally treated. We here purposely make use of the epithet unimpregnated, to aistinguish deflexions of the uterus in that state from an inclination of the same organ during advanced pregnancy, which was known before. Bandelocque had correctly ohserved, that in certain obliquities of the uterus, the neck deviated from the natural axis of the entire organ, in the saine. direction as the fundus: The same fact has heen observed by Madame Lachapelle, Velpean, and others."
Dr. Morean, of Paris, is the only observer who notices the fact of retrofiexion occurring more frequently in the unimpregnated state, than during pregnancy. Prof. Tiedemann, of Hiedellerg, published, in 1840, some researches on what he designated the congenital obliquity of the uterus, an obliquity depending on an inequality of the broad ligaments by: which its fundus is bound down to one side of the pelvis.
Seling this displacement was but little known, we shall not wonder when we find the records of its detection after death to be fem.

Saxtorph in his "Animadversiones de correctione Uteri et Fetns, in partu," says, "In a hody which I opened some time ago, in the presence of the first medical men of this place, I tound a virgin uterus, the fundus of which, as a congenital formation, was completely bent back wards, and which if it bad even been impregnated, would, on account of its faulty structure, have probably been unequally distended, and have become oblique." Dr. Rigby observes, in reference to this quotation, "The fact is interesting, hut the inference about the obliquity of the uterus is wrons, the old theory on this subject, promulgated by Deventer at the beginning of the last century, having been long since proved to be incorrect."
Jahn, a German physician, in examining the body of a girl aged 14, in whom the hymen was uninjured, found the uterus bent to the right side, in the shape of a retort; the cervix uteri, which rose straight from the vagina, took a sharp turn to the right, so that the obliquely-formed fundus lay in the upper and right part of the pelvic cavity ; at the point where the curvature took place, the os uteri internum, viz., the upper part of the canal of the cervix uteri, was so contracted that it would not even admit the finest probe. The os uteri externum was of the natural shape, and formed a tranverse fissure.
Schreger gives the case of a young women, ayed 20, who lied of consumption, and in whom the uterus was found re"oflected, the fundus being turned back to the hollow of the sacrum, and to the right. The direction of the urethra was natural, and the patient had never complained of any diffculty in passing her water; she had also menstruated regularly up the to the last stage of her illness.

Dr. Simpson, of Edinburgh, has for some years been carrying on his researches on this subject." In 1844, Dr. Protheroe Smith, frost made out the existence of this deplacement in a patient at the Hospital for Women; and since that time, both Dr. Protheroe Smith and Dr. Rigby have met with numerons cases in practice, and have proved that the disease is of far more frequent occurrence than is generally supposed, and much more frequent in the unimpregnated state, than retroversion in the pregnant.

How is it then, we may inquire, that a dispase so frequent in occurrence, and so important in its consequences, has been so long overlooked and not recognised? It arises from the defective means of diagnosis. Even in 1836, Dr. Davif, in his elahorate work on "Obstetric Medicine," very truly asks in reference to the dingousis of deffexion of the ute rus :-
"Does the supposed pa'pable doubting of the angle of Hexion by the finger furnish sufficient evidence to the practitioner of the continuousness and identity of the tissues forming its two sides? If not, it slould of course follow that the thinour, supposed to be the fundus of the deflectet uteras, might really prove to be of monhid growth, either from the body of that viscus itself, or from any other patt or organ in the neighbourhood. Hence the diarnosis of these deflexions, when of long standing, and become actually chronic in their pssential character, must always, in the author's apprehension, present a subject of considerable doubt and difficulty." Dr. Davis having no other means of diagnosis, it is no wonder that he should arrive at the very erroneous conclusion that retroflexion of the uterus was a very rare occurrence. Dr. Simpson, in introducing his instrument (the uterine sound, laid down the four following propositions, the truth of which is so obvious, that 1 deem it unnecessary to enter into farther proots respecting them.
"1. The general and local functional symptoms of disease of the uterus are such as enable us to localize, without enabling us to specialize, the exast existing alfection of the organ.

- Dr. Righy has aiso publisied some papers on this subipet in the 13th Yol. of the Medical Times.
"2. In almost all instances of diseases of the uterus, it is only by the physical examination of the organ itself, that we can distinguish the precise nature of the existing affection, and fix its character, extent, \&c.
"3. The physical examination as formerly practised seldom enables us to ascertain accurately the organic condition of more than the cervix and lower part of the bedy of the uterus.
sc 4. It is possible, tiy the use of a rod or bougie, introduced into the nterine cavity, to ascertain the exact position and direction of the body and fundus of the organ, to bring these bigher parts of the uterus in most instances within the reach of tactile examination, and ascertain various important circumstances regarding the 0s, cavity, lining membrane, and wall of the uterus."
The bougie proposed by Professor Simpson, and called by him the Uterine Sound, is an instrument provided with a flat hande, having one surface roughened, - that corresponding to the concavity of the instrument. Its shaft is about nine inches long, and terminated by a roundish bulb, about one-eighth of an inch in diameter; the shaft is composed of tlexible inetal, to enable us to alter its curvatures, it gradualIy tapers in its thickest part; it is about one-fifth of an inch in diameter, corresponding in size to No. 8 silver catheter; in its thinnest about one-tenth of an inch, in size, corresponding to No. 3 catheter. This instrument is graduated and marked at two and a half inches from the bulb, by a projection on the convex surface of the curve, to enable the finger to judge of its having passed to its full extent. The natural length of the cavity of the uterus is two and a half inches, and it forms a slight curvature forwards and upratds. The sound is passed with greater ease than the catheter, and produces less uneasiness than that instrument, certainly much less than the passage of a catheter in the male subject. The mode of passing it is as follows:The patient is placed on the left side, with the knees drawn up ; the forefinger of the left hand is then introduced to find the os uteri ; having done so, the sound is passed, beld lightly between the finger and thunb of the right hand, along the forefinger, and gaided by it, is insinuated into the os, and gradually and gently pushed along the cervix into the cavity of the uterus; in some cases the canal of the cervix or the os internum is so sinall as not to allow it to pass, it must then be first dilated.
The application of the uterine sound bat opened a new era in the history of the uterine diseases; hy its meank, cases before imasined to be malignant affections of the os and cervix uteri have heen proved to be nothing more than extreme congestion, produced by retroflexion of the fundus, long standing affections pronouncect by eminent men to be incurable: tibrous tumours have been demonstrated to be retroflexions, and removed by restoring the fundus to its natural situation; whilst other tumours, of whose connettions it was differult if not impossible to be certain, have been shown to be ovarian and uncompected with the uterus. But time will not permit me to enter into the numerous applications and uses of the uterine sound.
We must now proceed to inquire what are the symptoms produced by this displacement, and the causes which lead to it?
In some cases no appreciable symptoms are produced, except, perhaps, a greater flow of the menses, and a greater tendency to abortion in the married female, whilst in others the symptoms are exceedingly distressing and complicated. It is in most cases difficult to trace the first origin of the affection, but in some instances in which diligent inquiry has succeeded in doing so, the patient would appear to have been cognizant of some depression or talling down of the body of the womb, sometimes occurring suddenly, in other instances more gradually progressing, in the former producing alarming sympathetic affections, as nalsea and vomiting.
and actual syncope, together with more or less pain referred to the groin or sacrum. The retroflexion increasing or becoming permanent, produces some pain and difficulty, or frequency in micturition, though it never leads mechanically to retention of urine. The patient complains likewise of a dull, aching, constant pain in the sacral region, probably arising from the pressure of the fundus on the sacral nerves, since it is often immediately removed on raising the fundus; the pain often shoots down one of the thighs, there is also a sense of weight and bearing down towards the rectum, mach increased by the act of defecation. Advice not being sought at this period, or the deplacement being overlonked, other more serious symptoms manifest themselves ; menstruation becomes highly painful, the discharge is generally increased in quantity, and clots and shreds denoting irritation are voided-in short, dysmenorrhea is set up. In the intervals an abundant leucorrhceal discharge is usually present.* These symptoms cannot exist without the patient's general hralth suffering more or less; the stomach, which has an intimate sympathy with the womb, becomes disordered, the appetite is capricious and irregular, the tongue loaded, the bowels constipated, the patient's spirits are depressed and irritable, and a variety of nervous hysterical affections are apt to occur. Such symptoms as these, though they do not prove the existence of a displacement of the womb, yet evidently localize the affection there, and warrant further examination per vaginam, which alone can enable us to determine with certainty the existence of this displacement, and to rectify it.
In examining a case of retroflesion of the uterus during life, the finger can frequently reach a firm globular mass, situated behind the cervix uten, hetween the rectum and vagina; this is the fundus uteri, which is bent downwards and backwards, the os uteri instead of being forcibly drayged upwards and forwards behind the symphysis pubis as in retroversion, is little, if at all, removed from its natural situation. At first we may not be able to determine this globular mass to be connected with the uterus at all; it may appear to be merely a scybalous collection in the rectum, hence we should always, if possible, before examining a patient, prescribe an aperient or an enema to remove this source of efror. In other cases the tumour may be too high up to allow the finger to trace its continuity with the cervix, whilst in athers again, the point of curvature being low down, the fundus is much below the os uteri, and its continuity is easily traced by the experienced finger.

The exact position of the retroflexion varies considerably in different individuals, and even in the same individual, at different times; the point of curvature may be so high up that a very small portion of the fundus is all that is bent down. On examination per rectum we feel the same globular mass through the anterior wall of the intestine, and being able to reach much higher up in this direction than per vaginam, we can frequently verify or correct our first impression.

It is, however, by the use of the uterine sound, that we can obtain sure and valuable information of the displacement of the womb. In a case of retroflexion, on passing the instrument in the natural direction upwards and forwards, it becomes almost immediately arrested: but on turning its point in the contrary direction, backwards and downwards, it will pass readily along the cervix uteri, and then glide downwards and backwards to its full extent of two inches and a balf. The point can now be felt distinctly in the centre of the tumour, through the posterior wall of the vagin?, or the anterior of the rectum, thas proving it to be the fundus

[^12]uteri in this unnatural position. Nor is this all, by turning the instrument gradually and gently round, so as to bring the point upwards and forwards, at the same time assisting the elevation of the fundus with the forefinger of the left hand, we shall find that the tumour disappears, it can no longer be felt, the fundus is restored to its natural situation, and retained there by the sound withont it; the patient will often be imnediately relieved from the constant pain and uneas ness from which she has previously suffered in the sar ral region.

In some intances the mere restoration of the fundus to its position is suthicent; it remains there permanently, even after the windiawal of the sound; in others for a short time only: hat in many cases, especially in those of old standing, the disposition of the fundus to return to its unnatural position is so great, that it requires the handle of the sound to be held pretty firmly to prevent its turning it round, and as soon as the sound is withdrawn, the fundus again retroflects, and we can again tiace the tumour as before.

The examination and passage of the sound produces in many instances little or no pain, until we elevate the fundus, when the instrument, pressing on the ovary, which we shall afterward see is extremely apt to become congested and inflamed in consequence of the displacement, occasions severe pain, which, however, immediately ceases on our completing the restoration. In the examination per rectum the pressure of the tinger on the fundus above occasions no pain, but if we elevate it, the patient immediately complains, and by passing the finger beyond the depressed fundus, we can discover the exact seat of pain to be the posterior and upper part of the fundus, in the situation of the ovary, which we can often feel as an oval body. These last symptoms are dependent on the inflammation of the ovary, and cannot, therefore, he regarded as essential to retroflexion of the uterus, but as the consequence of a complication. It occurs, however, cufficiently often, to render it advisable in all cases of oophoritis of long standing, to examine carefully into the position of the uterus.
In some cases the canal of the cervix is so small as to prevent the passage of the sound; in such a case the dilator must first be emnloyed, until a sufficient passage has been obtained. Dr. Rigby is of opinion that this extreme narrowbess of the cervix is rather owing to a congenital formation than to the bent state of the fundus, whicin last, however, he regards as sulficient not only to obstruct the free discharge of the catamenis, hut to prevent conception.

I will here introduce to the notice of the Society the dilator which I am in the habit of employing, and which I believe to be the inost efficient; it is that invented by Dr. Protheroe Smith. The power of the screw is the moving power, and it is capable of being regulated at the pleasure of the operator. After one or two dilations we shall be able to pass the sound through the cervix, and ascertain the state of the fandus.

If any of you are still sceptical of the benefits to be derived from the employment of the sound, let me quote a passage from a paper read by Professor Simpson before the Dublin Obstetrical Society, shortly after he proposed his instrument to the profession. He says, "In one of the first cases in which I recornized by the uterine bougie, the existence of retroflexion of the unimpregnated uterus, the patient had some years previously been doomed by the highest obstetric and pathological anthorities in England, as suffering under the first stage of scirrhus uteri, the displaced fundus having been mistaken for a carcinomatous tumour. The uterine disp'asement was easily rectitied by the use of a wire pessary, worn for some months in the uterine cavity, and the patient is now in the enjoyment of the best of health. I have suen other cases of the same mistake with the same curious but common form of uterine displacement."

## MATERIA MEDICA AMD CHEMISTRY.

Observations on the Tincture of Acetafe of Iron, with Two New Processes for its Preparation, By M. Donovan. Esq., M.R.I.A-A preparation was once in medical nse called by an extracrdinary misnomer, Tinctura Saturnina, although it was really an alcoholic solution of acetate of iron. It was made bo mixing acetate of lrad with sulphate of irm and adding spirit of wine; but the nature of the decomposition that takes place when these ingredients are mixed being not then understood, the acetafe of lend was supposed tis 14 m is, as such, in full energy. This uncture was celebrated in the eure of consmoption and hectic; but us, a little of the acetate of lead escaped decomposition, its cxhibition was sometimes follow d by disagreeable cor:scquences.
The process was improved by Glanber, who substituted acetate of promsh for acetaie of lead, and thus removed the objection to this asefal medicine.

When the first Dublin Pharmacopecia was in preporation, many expriments were made on this tincture by the late Dr. Perceval, then professor of chemistry in the University. It was known that whon equal weights of acetate of potash and sulphate of iron are uad, the tincture continually lets fall an ochrey precipitate. and therefore constamly loses its power as a chalybeate. Dr. Pexecval conceiving that the presence of water, in the spirit of Fine made use of, was the cause of the evil, and explaining the fact hy a theory which 1 believe was not well founded, rmployed alrotol, and found, as be informs us (Transactions of the Royal Irish Academy, vol. ii. p. 1), that a tincture so made did not precipitale. Fxperience, hawever, has nit confirmed this statenent.
But as alcohol was at the time an article difficult of procuring. Dr. Pereeval made many effort, as he long afterwards informed me, to obtain a tincture of a permanent constitution, with spirit of wina, but usk uccessfully.
At lingth, a discovery was announced by Mr. Wutte, an apotherary of Dublin, that if the acetate of potash be used in double the quantity of the sulphate of iron, there will be no precipiation, even when epirit' of wine is cmployed. Dir. Perceval explained this by eupposing that the water of the spirit was held engaged by the excess of acetate of potash, an explanation whech we need not investigate, inasmuch as the alleged fact is not well founded, ats will presently be seen.
1 have made this tincture under every variety of process that 1 could thinks of, alwars adopting the materials and proportions of the Dublin Pharmacopceia. Sometimes the trituration of the materials was continucd day after day, to allow a sufficient time for the absorption of oxygen by the protoxide of irosi: sometimes the trituration was only continued until the materials had deliquesced. At other times the drying of the mass was rapid; at other times slow; other timea it was ont dried at all ; anu in ine. variations were used which it would be in vain to describe. By uny of these methods I often succeeded in producing a good tinc. ture, and by all of them 1 very frequently failed. Either the lacture was pale, weak to the sinte, or permanenily muddy, or it was continually depositing a brown sediment ; and a! this happened whether rectified spirit or alcohol, had been used. In cases where I succeded best, a small quantity of brownisit precipitate would at length appear, and this would happen as often as the former was filtered off, so that ufter many montis the tincture became very weak, and in longer time even colourleus.
1 might atribute these failures to want of skill on mv part, if I only had been thus unsuccessful; but the experience of every une with whom I have conversed agrees with my own. I venture to affrm that in no two apothecaries' establishments in this city will this tinelure be found precisely alike, if it have bern made by the apothecary hinselfin cach case. A new process then is arsuredly, wanted.
But before I enter on thia, it is necessary io state some particu. lars, relative wo the constitution of the tincture and to the defects of the process of the pharmacopeeia. The use of the excess of ncetate of potash directed, I believe to be as follows. Peracetate of iron, in so'ution, when treated with a certain quantity of potush, is not decomposed; for the peracetate always contains an excess of acid, and the excess is saturated by the potash. A triple, peracetate of irnn, and potash is the result; this is soluble is either alcohol or water; ard the solution is of a deep brown eqtur. In the pha:macopaial process the peractate of iron,
formed by doulile decomposition, combines with the excess of a cetate of potash, and the triple salt above-mentioned is prodaced-A tincture of this triple salt is much less liable to change than a tincture containing peracetate of iron only; but in process of time it is decomposed, and oxide of iron is dejobited.
When this deposition has taken place, if the lincture be distilled; acetic ether will come over along with alcohol. The fact pointa to the nature of the decomposition which time effects in the tinc-ture-a decomposition so complete that at length the whole of the iron is precipitated, and the liquid deprived of all colour. The acetic acid of the peracetate is withdrawn from the oxide of iron. and by its action on the alonhol, acetic cther is slowly produced. bence the highty agreatic pmell of old tincture of acetate of iron.

An excellent tincture of ncetate of iron may be produced in a few minutes, and withoted risk of failure, by the frollowing prucess. Mix two drachms of red ovide of iron, prepared according to the Dublin Pharmacopocia, with half an ounce weight of sulphuric acid; and expose the pacte to the heat of at spirit lamp for a fewminutes; when it will suddenty solidity. Instantly remove the lamp; triturate the rolid mass with nine drachms of acctate of potash, and add cight ounces of rectified spinit. The tincture is now complete; and withnut any digertion, will, by filterng, at once affird a transparent, beautifal, decp.crimson liquor, which in one drachan measure gencrally confains one grain of yeioxide of ison.
This process is, as far as 1 know, unexceptionable, provided that the tineture is not to be kept longer than a few monthe; but it at length hegins to deposit, and then the decomposition will slowly proceed, no donbt to the foll extent, althongh I have never had it on hands long enoligh to prove the fact. If the abuve quantity only be prepared at a time, it will two be impaired until. in the course of business, time will have elaped for its consumption.

A mucis more permanent tincture, and which 1 have never known the change. may be produced in the following manuer: but the method is a little moru troublesome.

Take two runces of percipitated casbenate of iron, and six. teen ounces measure of commercial acetic acid of such strength* that one part of it th seven of water will be equal to distilled vimegar.
Introduce them intos an ans matriss, and when the slight efferves. cence is over, buil the mixture unt:l the whole is teduced to twelve ounces; when cold, filter.

Expose the blond red solution thas oftamed in a broad, shatlow dish for thrie days, and then purr it into mog ghas vesel large enough to hold three or four times the volune of the liquid.
To this add fiftern drachms ef common carbonate of potash (sul tartari) by drgrees; so that the effervescence may not be unmanageable.
When the effervescence is over, add twaty-four ouncee of rectified spirit, and filter.
This tineture will measure abont thiry-lwo ounces, and will be of 4 fine deep red colonr, and styplic agreeable taste.

The tincture thus produced will not deposit; at least I have had it on one oreasion for eighteen tnonths without the olightest deposition beyond what is necessary for ins perfect clraring i in mose cases, the filter allows a minutely dividen, and at first fisensible oxide of iron, to pass through it.
The theory of the process in obvious. The precipitatedicarbonate of iron, no matter how long exposed to the air in drying, always contains a quantity of protoxide of iron. The oxide will, therefore," when heated in acetic acid, affird protacetate and peracctate of iron. The former salt, alihough little soluble in recti. fied spirit: will dissolve, at least to a certain extent, in spirit so much diluted; but much of it would separate in some daye, and frrm a coating on the sides and bottom of the containing vessel. To prevent this change, the acetic sulution of iron is to beexpoiged 10 the air: the protacetate is thus converted into peracetate.

But this peracetate if simply dissolved in rectified spirit would afford a tincture from which the acid would soon be usstracted and acetic ether formed. . To prevent this, and to give the tincturo. permanence, we must convert the peracetate into a triple salt, by the addition of potash, and then we accomplish what the phirma. copecial process contemplated, but failed to cflect.

[^13]There is no use in here in puiring why this tincture is morr permanent. more easily prepared, and so much nore certain oi suc. cess in the preparation than that of the pharmacopoia; the fact is sufficient for our purpose. I have been induced to give publi. city to these observations, believing that the tiacture of acctate of iron is in hazard of being expunged from the new pharmat:opeia on account of the uncertainty of its composition, when prepared secording to the process hitherto employed.

THE

MONTREAL, MARCH 1, 1848.

## THE REPEAL ASSOCIATION AGAIN.

" Ecce itcrum Crispinus."
The members of the Repeal Association are wrating; and two of them have been shedding much ink, our sweet selves being the burthen of their ireful song. And why? becalse, forsooth, we likened their proceedings to the ifckle and capricious acting of an infant! The Association, we learn now, numbers among its members, "hommes murs sages et ecluirés." Be it so. It proves that grey heads are not always heads of wisdom, and that there is a stage of senescence, the mental endowment of which verges rather upon that of puerility, than upon that which usually appertains to adolescence. We might in charity have assumed the latter, but facts forbid it, and to facts, as in duty bound, we pay especial devotion. No one has greater reverence for them than we have.

We are accused, however, of inconsistener (save the mark!) Inconsistency in strenuously adrocating to-day, what, it is alleged, we repudiated in 1546. But how stands the cave? We have never uttered one word against the principle of an Act of Incorporation for the profession. We argued against the delegation of $u n$ limited power to the Council, as well as against several other objectionable features in the Bill proposed at the Three Rivers meeting. And was this ainlimited power granted in the present Act? No. A limited power, like a limited monarchy, we approve of. We desired that the profession, like the people, should speak; our desire has been accomplished; and their will shall be fulfilled. Our opponent, with the queer title, when giving his text, should have quoted the context, which in this instance would be found most materially to modify the sense; and would have enabled him, unless he viewed with jaundiced eyes, to have seen the drift of the argument at that time adopted, from which, even at this moment, we see no reason whatever for dissenting. There are some people in this world, who cannot see. There are a greater number who will not. Among the latter unenviable class, we are constrained to place our doughty and Quixotic antagonists. No length of labour would relieve their visual obliquity. To reason with them would be a sacrifice of time, and valuable space in our columns, which might be much more profiably occupied.

Let not the valorous champions of the Repeal Association suppose that we are writing under feelings of irritation. Our breast is full of the milk of human kindness
and compassion. We will spare the rod, even at the risk of spoiling the child. On the contrary, we have been highly delighted at their productions. They give promise of future excellence. We particularly admire the ingenuity with which the one with the queer title, (he styies himself" a Licentiate of the Association of Doctors, and a Member of the Medical Society of Emulation!?") has exhibited in quoling from our writingsexactly and to a nicety, as much as suited his own purpose. Dit we call it ingenuity? No. It is the evidence of decided talent, and one, too, of a high and peculiar order. We particularly recommend him to cultivate it, for he will considerably enhance his repuation thereby. And a reputation is something. It is certainly more than something, eren if only equal to his to whose professional avocation the words" by habit and repute" are usually prefixed, to mark the gentleman's undeviating rectitude of conduct, and intlexibility of purpose.

The genteman, however, with the queer tite, asks us to republish his valuable letter in our columns. For the information of the Profession generally we desire to remark, that in typification of Minerva's biril, famed for qualities far less ereditable than its wisdom, it is to be found in the "Minerve" newspaper of the 17th ult. We decline the intended compliment which be conters on ourselves and our subscribers: and for two reasons -firstry, that, after our express invitation, he has not deemed it proper to avail himself directly of our columns, alhough freely offered; and secondly, because he had not the courtesy to send us a copy of the paper in which his article originally and be preference appeared. Now, we were compelled to pay five coppers for his article, or else forfeit the pleasure we have derived in perusing in; but having perused it, and deeming that our subscribers would not equally value a document which cost us so small a sum, and which was evidently sold at its actual worth, the intrinsic value of an article of an indeftite character, we have most unwillingly come to the conclusion to decline the compliment. In lieu of it, however, we seize the oppor unity to present to them the following excellent letter on the subject; with three or four copies of which we have been politely furnished by mail.

## To the Editor of the Quchec Mercury.

Sir,-The very earnest desire which you have at all times cvinced in imparting to the medical profession, whatever might bear connexion with the general interests of its numerous mem. bers-and so recently evidenced, by your judicious and well timed advocacy of the integrity of the procedings of the constituted governing body of the College of Physicians and Surgenne, and in opposition to a factious party, lately arganised in Montreal. induces me to subruit the following exposition for publicity:

As a matter which, in some measure; might be restricted to the profession, lought, perbaps, to content myself with the analysis of the assumptions of the party in question, by the distinguished and learned editor of the British Amrrican Journal of Medical and Physical Science; but that excellent periodical, I regret, has not that circulation among the members of the profession which is ought necessarily, and I may say, indispensably, to have-und; although the only Medical priudica! in the province of Canada. 1 am almost persuaded to the belief, that a large body of our ru. ral practitioners, would, at all times, give preference to one of 6 purely political nature:
As a member of the medical professien, you are not w thout the knowledge, that for severa! years, its most influential and leading members have strenuonsly exerted themselves to eecure,
through legislative enactment, such provisions, as might be most conducive, not only to the protection of the general interests of that profession, but as might also tend to elevate its character to that position and standard, which its great inportance und high moral responsibilities to socicty so justly and so pre-eminently entitle it; but, I am ashamed to be compelled to confess, that a want of unanimity, originating in unsocial, jcalous, and party views, have invariably rendered the issue unsuecessful.

Without entering at length upon the details of proccedings, which, within two years, have generated a more active movement among the members of the profession in Lower Canada, towards the furtherance of an olject so long claimed and so long desirel, 1 shall merely, and as condensely as possible, advert to these few particular circumstances which so greatly contribute to advance, and ultimately to obtain from the Legislature, the present Act of Incorporation-and, thereby placing at the disposal of the body (after some amendments) ample power to frame its own rules and government.

In October, 1846 , a numerous body of medical prartitioners, from the several districts of the province, met in general conven. tion, at Threo Rivers, in pursuance to printed circular letters ad. dressed, but with few exceptions, to every member whose residence was known by the Secretary of Medical Delegates of Districis, assembled under the presidence of Dr. Morrin, at Quebec, on the 6 th September, 1816 , for the purpose, as detailed in that circular, of submitting to their consideration a project for incorporating the Medical profession of Canada East, into a College of Physicians and Surgeons.

Moved by Dr. Painchaud, seconded by Dr. Valois,-'That the proceedings of this day's convention be submitted to a General Convention of the Medical profession of Canada East, and that the said meeting be summoned by the Sccretary, to be held at Three-Rivers, on Wednesday, 14th October next.

Mored by Dr. Kimber. Seconded hy Dr. Arnoldi, junr., -That a sufficient number of copies of the proposed project be printed, and circulated with the least possible delay among the Practition. ers of Canada East.

This general mecting, at which Dr. Wolfred Nelson presided, and Drs. Fremont and Arnoldi, acted as Secretaries, unanimously resolved--" That while it derply deplores the inadequacy of the existing laws, for regulating the Medical profescion in this section of the province of Canada, both as regards the education of in. tending members, or the protection of those liemsed to practice the same congratulate itself on the fecling manifested on the preent occasion, to devise ways and means by which such difficulfies may be obviated, and the profession of Medicine made to as. mome that position to which it is entitled anoug the other learned professions."

Here then was a resolution, at once declaratory of the defection of the laws, and demonstrative of the tenacity of a large body of pominent and influential members of the profession to any legis. lative measure, which might redcem the abuses and gritvances of more than half a century!

The several clauses, upon which it was intended to base an act of incorporation, having been freely but harmoniously discussed by the meeting-and so amended and modificd as to serure the unqualified acquiesence and sanction of the whole profession, it was finally and unanimously resolved, on the motion of Dr. Jean Blanchet, scconded by Dr. Oulet,-"That a permanent commit. tee of nine be appointed to superintend all matters connected with the presentation of the petition, by correspondence or otherwiso, and that it be authorised to use all necessary means for car. rying the measure through Parliament; and that the said com. mittee consist of Drs. Morrin, Blanchet, and Painchaud for Quebee; and Drs. Valos, Arnoldi, and Badgley for Montreal; and Irs. VonIfland, Gilmour, and Beaudry for 'I'hree.Rivers."

From that period the most active means were cmployed by those who had taken the initiative, (and whom, I may gay, bad grown grey in the cause ul medical reform) to secure the congummation of a boon, solong, so perseveringly, hut so unavailingly prayed for; and alinost cuery member, irrespective of years, or mtanding in the profersion, or remoteness, or even isolation of residence, were at considerable labour and expense. invited to an expreision of their views, and to become parties to the contemplated aet of incorporation. If many, then, have failed to avail themeelves of the ardonus labours of their more zealous brethren, they have only to place the sin of omission to their own door, presopposing, on their own part, an utter disregard or unconern on a
jartter of so much impartance, as one involving their beat and moat vital interests. It ia, moreover, a well.established fact, that there exists not a single medical practitioner in any rural section of the Province who is not a subscriber to, or reads, some politi. cal newspaper or other, and hrough these, during the sitting of Parliament, every information touching the presentation, reception, and progress of all measures can alwaye be acquired. It is, therefore, untenable, and even absurd, to complain of the denial or want of opportunity to become members of the incorporation.

It may not be ont of place to observe, that during the progress of the bill through Parliament, the medical gentlemen in the pu. pular branch of the Legislature, in conjunction with the permanent committee at Mnntreal, some of the professors of MeGill College School of Medicine, and other leading and distinguiahed members of the profession, advised the present act of incorporation to be so framed ts to all intents and purposes to meet the approbation and sanction of the profession in general, - it appeared, broad, liberal, and eomprehensive, comprising an equal amount of justice, protecting the rights of all parties, and perfectly divested of the least exclusive fuature - Such then is the bill, which, when it had passed the three branches of the Legislature was hailed by the great mass of the medical profession as the most grateful gifi within the power of Parliament fo bestow ; and it was truly so: save the temporary disfranchisement to its foll benefits of a few highly deserving members, and the introduction of some amendments; but which can only be necessitated, as Dr. Wolfred Ne!son, a gentleman, who, for upwards of thirty years, devoted his best energies to the intercsts of that profession, and the representative in Parliament of one of the largest constituencies in Lower Canada, very judiciously observed at the General Meeting of the members, called together by proclamation, for the clection of Governors: "that it was true, that in enacting laws it was next to impossible to frawe them so perfect as not to render them, by force of circumstances, susceptible of improvement - the operit. tions of a law conld alone point out its imperfections, and, therefore, necessitate changes or modifications."

I shall enter now upon the exceution of the mandate of the head of the Executive Government, intrusting and enjoining to, the first President of the College, (Dr. Arnoldi, senr. ) therein named, the organization of the members of the Incorporationt. and the elcetion by, and chosen from among themselves of thirtysix Governors.

The call of the President was very generally responded to by the members of the incorporation, and several other gentiemen of the profession, whose names, from a want of proper pereonal ac. tion at the time required, were excluded from the rights and privileges of membership, then comprised in elceting and being elected.

The Proclamation of His Excellency the Governor General, and the Statutc of Incorporation, were duly read, by one of the Secretaries-not a word was ultered-not a whisper heard, against acction or clause of the law-but the moment a letter of counsel from the Attorney General, addressed to the President, it reply to some doubts entertained by the latter to the oligibility of admission to the right of Memberahip of seven gentlemen, whese names had been inadvertently onitted by the Secretary in the Act of Incorporation, was read, then a cry was raised for the indiscriminate admission to the oame rights, of every medical prac. tifioner then present-and followed up with such pertinacity. and even without reference to the law, but a few momenta before. imparted to them, that the President under a proper sense of athe importance of his position, joined by the more moderate and oaim solicitations of at least, two thirds of the Members of the Corpo. ration, adjourned the procecdinge, for a short time, in order to ottain the opinion of the first law Officer of the Crown, on the legality of entertaining the motion proposed by Dr. Coderre, to the effect of, as already stated, indiscriminately admitting, to Mern. bership every practitioner, who, at considerable trouble, expense. and inconvenience! had thought proper to be present at the ex-: hibition of the senscless and discreditable pretensions of this. thr. Coderre and his partizans.- The result of the reference to the Attorney General, was, as might have been anticipated-the in admissbility of such pretensions. This attempt - so palpably in contravention to the statute bofore them-and, if succesaful, rositively invalidating the fundamental proceedings of the incorporation, was evidently made to secure an accesaion of Members; who, gratified at their new and unexpected position, were pre-. pared in return, to subserve the ends of their dictutors-place at
their dinposal their suffrages, and thereby constitute them, and them alone, the governing and administrative body of the College of Physicians and Surgenns of Lower Canada ! !

Not however satisfied with the given opinion of the Law Officer of the Crown, they persisted, regardleas of all considerations, to force their motion upon the sense of the general mecting, until the President declared his fron determination not to entertain so illegal a procecding.

I shall recall here another uttempt, as immediately following the other to exclude from the governing body of the College a numerons class of gentlemen, not only of long standing-uf eminent acquirements; but of high distinction in the profession, but, who have also, for many gears, been most unremitingly indefatigable to promote by every means in their power, the genema in. tereats and advancement of the medical professio: ; and, I may unhesitatingly state, that if we were that day assmbled torether, upon one of the most important occasions of of professional lives, we muat attribute it, in a great measure, tu the zeal mod ex ertions they devoted in the fartherance and realization of hasg deferred and long denied claims. It is impossible for any man on candour to reflect on this perversion of proper feeling of duty, without partaking of the astonishment, that it cond have orin)nated in one whose pasition and elevation of character bught io have proved a guarantee to the moral laws and nditigatione of good faith, as well as their standard of action. This attempt, su invidious in itself, of excludang by a coup d'etat, the ablest and most distingui-hed men in the profersion from seats in the Governing Council, was, however, timely met by Dr. Marsden, then of Nicolet, and Dr. Archibald Hall, of Montreal, by an amend. ment to the effect of proceeding to the election of governors by ballot, which was carried by a majority of nearly two-thirds of the members of the College. The consequence of this proceed. ing, was, it is true, the return to seats, as governors, of gentlemen of the most desirable qualifications, yet, we have to regret the exclusion of others of equal distinction, both in Quebec and Montreal.

In reviewing the existing Act of Incorperation, and against which a certain number of disappointed members of the profession are arrayed, a very few words will suffice. It is a law which has been obtained after a perscevering struggle of upwards of twelvo years-during which long period, we availed ourselves of every suitable occasion to urge upon the legislature the pressing necessity, on publie grounds, of enactments consonant to the general interesta and advancement of the medical profession. By it, we are enabled to maintain a permanent collective orgamization,with an authoritative council and officers, to proteet the general interesta of the Practitioners, and to extend the curriculum of those who may aspirs to take rank in the profession; and, more. over, what is of the greatest importance, the profession becomes onited under a representative system of medical government, and to which all legally qualified members can be equally and unreaervedly aduitted.

The members may meet at the stated periods, for the purpoee of evincing their suffrages, snd of selecting from among them. aelves a given number of Governors, in whom are entrusted, for a limited period, the administration und government of Collegiate affairs. But, as the suffrages to be exeresped upon these occasions are those of educated men, and who onght nccessarily to seck the elevation and independence of their profension, not solely for per sonal, but for public advantage-they shonld be divested of ali pastions and prejudices, and no other feelings should dictate their election of Governors but those of boneft conviction in their scientific acquirements and integrity of character. Seats in the Council are among the highest honors to which a cortain portion of the profession can aspire; it therefore becomes a question of oome importance, whether these distinctive posts are to be filled by men who reflect the respectability and character of the medical professiun in Lower Canada, or, merely a numerical cabal of opposite attributions? For it must be seriously considered, that the membere composing the council can only represent the profeasion in so far as they ure diatinguished by scientific attainments and capabilities, and, as also, must the profession, in some measure, rise or fall in the estimation of the republic of Science !

This luw, then, the operation of which has gone litule beyond the organization of the members of the Incorporation and the elec. tion of Governore, and when even the bylaws and rules for the guidance of the College have yet to be framed, vulumitted, and
discussed by the whole body of members before the ir legal institution and effect,-yes, this very law, becanse in its primary opermtion it has failed to place, arbitrarily, a few ambitions young men in its administrative powers, is absurdly enough represented us op. pressive, and totally inefficient in its application to the wants and wishes of the medical profession! An association is in corscquence established, composed chiefly of the practitioners whooe want of personal exertion excludes them for the time from the rights and privileges of memberathip to the College, and of others, who by the sense of the rightful members, have been excluded from the higher grade of Governors-the object of which association is to petition the approaching parliament for the repeal of the existing law, moly passed in the last nossion, and yot untried, and the subshation of another, more liberal and comprehensive in its ciews.

We certainly live m extraordinary times; but it is almont impos. sible to imagine th: the Legistature could entertain for a monent a measure so erossly partating of selfish ends, and so ill calculated to place in proper estumation the great importance of tume to a bidy presed npon all sides to the deliheration of matters of more permanent and urgent nceesity, and claimed by the whole Proviner; und the most befiting answer which can be made to the authors of the present movernent of the association in question is that lately made, in reply to their circular tetter of ancitation, \&e, by a genteman of some standing in the profession,--" Fur up. wards of iwenty years the profession has wolicited the Provincial Legislature for enactments, approaching, as nearly as possitle, to those contained th the statute granted at the last session; and I would certainly decon the term of that Ligislature very ill-employ. ed, when considering the very pressing and momentous measures which may be brought before it at ite ensning sitting for the general interests of the Province, were even an hour wasted in entertaining the petition of your association, founded, as it appears, on views, nut to elevate the character and respectability of the profession, but merely to resist by a factious opposition, the consti tution of the actual governing body of the Corporation."

3r! Fobruary, 1848.
An Oid Practituner.

Meeting of the Profession in Quebec.-We quote the following proceedings had at a meeting of the members of the College of Physicians and Surgeons in Quebee, on the repeal question, at present so much ag:tated by a certain party in this city. We certainly do not see much difference between the amendment, which was carried, and the original motion. Some amendments, we think, are required in the Bill, but their nature and their extent cannot be fully appreciated until the Bill has been put faily in operation :-
At a meeting of the members of the Medical Profession of the District of Quebee, held on the 10th inst., in the Partiament Buildings, in order to take into consideration matters of importance for the College and the profession generally, were present: Mors. Morrin, Painchand, Rowley, Frémont, Poole, Fortier, Marsden, Nault, Sewell, Blais, Jackson, Rousseau, Hall, Robi taille, Bardy, Labrecque, Woiff, Von Ifland, R. H. Rusaell, J. R. Russell. J. Douglas, 'Tourangeau, Roy, Rinfret, Ilubert, Wells, Watt, Fitzpatrick, M•Grath, Eastaff, Moffatt, P. Larue, Stewart, Stansfield, Landry,
Dr. Morrin was called to the Chair, and Dr. Landry requested to act as Secretary.
The President having explainea the object of the meeting, it was

Moved by Dr. Bardy, and seconded by Dr. Stanafield,
"That it is the opinion of this meeting that the BHI incorporating the College of Physicians und Surgeons of Lower Canada as passed in the last sessin n of the last Parliament, is sufficient to regulate the study and practice of medicine and surgery in this Province without being amended at present, inasmuch as the Bill cannot be put in full operation until after the by-laws have been submitted for the approbation of the members of the College, and for the sanction of the Governor.in. Chief; and, inamuct as the amendments to tho Bill may be asked for, as necessity may point
nut, during the working of the Bill."

Moved, in amendtrent, by Dr. Roussean, and seconded br Dr. Rny,
Ci.That since the passing of the present Bill of Medicine, experience has shown that the bill is not atequate to the general want of the profession, and that it is urgent to amend it immediately."
'This amendment, heing put to the vote, was lost, Dr. Roussean voting alone in the affirmative.

Then Dr. Sewell, scoonded by Dr. Roy, moved in amendment,
"That it is the opinion of this meeting, that since the passing of the present Bill of Medicinc, experience has shown that the Bill is not entirely adequate to the general wants of the profession, and that it is advisable to ask such amendments as the work. ing of the said bill may prove desirable."
This amendment was carried, the votes being divided as forIncis:

Fur the amendment,-Drs. Sath, Sewell, Blais, Rouseenn, Rny, IIall, Hubert, Jackson, Moffatt, Poole, Wolff, R. 11. Kus seli, J. P. Russell. Forticr, P. Iarue, Rinfict, Tourangeau, Iabrecque, Welle-19.

Against the amendment,-Drs. Painchaud, Rubtaille, Bardy. Stansfield. Von 1ffland, Fitzpatrick, M-Grath. Stewart, Wail. Rowley, Marsden, Frémons, E:staff, Landry, Morrin- 15.

Mr. President having loat the chair, Dr. Funter was cated to it, and

Dr. Painchaud moved, seconded by Dr. T'uarangean,
"That the thanks of the meeting are due to the President and to the Secretary."
(Signed) Jos. Morrin, President.
$\therefore$ E. J. Lesuosy, Sceretary.
Quebec. 10th February, 1813.

## IIST OF LICENTIATES.-Cintinued.

The following names were omitted in their proper places in the Lower Canada list:-
Thomas Moore............................. 3uy, 31 ,
1821

1835
Robert William Evans................ May 12,
184.5

Francis Codd............................. Nor. 3,
1846
licentiates of the comege of pgysicians and surgfons, Canada east.
Samuel B. Schmidt, M.D........... Nov. 27,
P. M. Dease, M.D. . . ................Nov. 27,

John Fisher, M.D....................Nov. 27,
1847
Elie Lacerte, M.D....................Nov. 27,
1847
Charles Lafontaine. ..................Nov. 27,
1847
A. P. Larne . . . . . . . . . . . . . . . . . . . . Nov. 27,

1847
Louis E. Duboid. ........................Nov. 27,
1847
John P. Rutot................................. 27,
William Mayrand, M.D............. Dec. 6,
Roger D'Aoust:"........................Jan. 22,
hicentiates of medical board, canada west.
James Bovell. ................Jan. 15,
Golfrey H. Schmutter... ........... Jan. 15,
John Murphy Hardy..................Jan. 15,
1847
1847
1847
1848
1846
1848
1818

Our Imerican Exchanges.-We are still without the receipt of any of our A merican exchanges, with the exception of the Medical Examiser and the Dental Intelligencer. A late number of the Boston Journal came to hand announcing the alteration of the American postal arrangements as the cause. Haying Jately requested Messrs. R. and G. S. Wood of New York to art for us as agents in receiving and transmitting to us nur exchange journals, our contemporaries with whom we have had for three years uninterrupted and pleasant intercourse, are requested to send their issues to their address, 261, Pearl Street; New York. As our fyles
are broken since Dec. 1st nit., it would confer on us an especial favour to be put in possession of the back numbers. We canom forbear here remarking, that fearing that some of our exchanges might have been detaited at Highgate, we addressed the postmaster of that place a letter requesting information on the point, and the amount which maght he due, for the parpose of remittance: but to this letter we have recei:m no answer. We duly appreciate the courtesy of the postmaster in not answering our letter; and it is risht that nur contemporaries should be made acquantiof with the circumstance, lest, peradventure, the re should exist a fombess for cheap medical and scimific lore on the frontier.

## NOTICE TO CORRESPONDFNTA.

The Argus (Kingstuni, af dite Fot. I8, has come in han!, containing the (יוny of a letter, dated Jan. 8, 1848. from 1 ). Ste vart, of Kingstan, alleged to hime bren aldiessed to w: That letter has nitar reanhed us. We are, merrotheless, ohlige! to Dr. Stemert for the hint which he has furmished us. In th. Upper Comala list of Licemtintes, the hiatus betencen April 3 , I839, and June 17, 1841, dil nat escape unnoticed. We did our utmost to fill up the roit, but we could get mo rlue. We ad. dressed a letter to 1 medical fricud in Toronto alhuding to the sircmmstince, but batl "criord un answer. Dr. Stewall's ii. cense is duted Oetmber 2t5, 1839. We have also receited oletter from Dr. W. E: Erutt, whose name inus amitted from the sume. caut e, and vhase licfnce is oluted Sept. 3, 1840. We hare woto not the slightext dnutht thot the nimmes of a mumber of others, whose licenses bear date during the intervinl alluded to, huve bren omittrd. Dr. Sturart hus referted us to Dr. O'Brien, of To. gonto, the Secretary of the thrit existing Colloge of Physicinus and Surseons of Uppar Cunadv, we hope that gentleman will furmish us with the list of the purlies who received their licenses to pructise from that inurce. It is the intercst of cecery pructitioner in the Proniure, that the list of licentintes be correct and completc. We hace aurselves taken in nery great deal of trouble to casure accuracy; and we behicre that ilhe lists now publishet, with the exception of thr licenses issued during the perioul alliuded io, are complete. We nill publish the list in the form of an adtendam, as suon as possible "fter Dr. O Brien will have communicuted with ns, which he is particularly requested to do.

The remort of cases at the Marine Hospital. Qucloc, in whieh chlurofurim. was employed, has been recaived frum Dr. Doughas, (Queficc.) Dr. Worthington's (Sherbrooke) cases, in wohich the sume "nnesthetir, agent was entployed, have alao rome to hand. Dr. Melvillt's (Niagora) letfer, containing the information requested, has arvived. Dr. Marsden's paper, on "The Use of T'ear as a Beverage," is unavordably still further pinstponed. We have been so floded with original matter this month, that we have considerrd it our duty to increase the size of the Journul, by an additional eight pages, to affird io our readers their usual periscopic inteligence.

Since the foregoing was written, a paper by Dr. Winder, "On the Use of Digitalis in the Caihexia of Children," and another by Dr. Reynolds, Brockille," On Diseases of the Pirg* nüt Siale," have come to hiand.

## BOOKS, \&c., RECEIVED.

Inyblin Quarterly J urnal. November, 1847. August No. not received.

Loadoas Medical Gazelte (regularly).
Dublin Miedical Press (reguiarly).
Dr. Drake's Introductury Lecture.
Dr. Bedford's Introductory Lecture.
Philaddphia Me:lical.Examiner. Febrnary.
The Dental Intellagencer. January.
New York Annalist.
The attention of our simerican contemporaries is respectfully requested to an article addresed to them in our Editorial depirtment.

Bill of Mortality for the Cizy of Montabal, for the monh ending Januiry 31, 1848.


MONTHEY METEOROLOGICAL REGISTER AT MOXTRDAL FOR JANUARY, 184.






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A few light elds disporseil．Gien．eles


[^0]:    * Since writing the foregoing, I have learned that the chloroform had been used in hospital practice twice previous to this case, and with the most batisfactory results. Dr. Doughas has since, also, twice used lis own chloroform with anexceptionably qatigfactory results,
    W. 1 ,

[^1]:    - The reader will bear in mund that this auspicious movo was made by the Attorney Genefal of Lower Canada.

[^2]:    * The Bill was hastily reported on by the Select Committee, (the chairman of which disented from the measure) the very day before Parliament was to have been prorogued.

[^3]:    * It would appear from the manner in which one Hon. member of the Legislative Council alluded to the necessity of forcing the people to pay half a dollar, or a dollar, a year towards the education of their chaldren; and another insisted on even a higher rate, of from one to two dollars, that a general tax alone was. referred to, and that it was considered that that paid, education would cost parents nothing; an arrangement that, however plausible and liberal it may appear, is not based on equitable principles, and must strike at the root of independent feeling; for even the poorest man should, if possible, be encouraged to put himself under no. obligation to others for the education of his child! Besides which. it has ever been found, that what is got for nothing is little valued, whercas what is paid for, be the price ever so trifling, is suro to be siet more store by.

[^4]:    - We cannot resist adding that'a fresh instance has occurred while this article was in the hands of the printer. Mr. assistant. Secretary Parent having, on the 18 th of February, delivered, at the Freneh Institutc, an excellent icciure on the existing state of Education and the Educational Lav in Canada, in presence of a highly respectable and crowded audiance. We understand that this discourse is to eqpear at' length in the French journals'; bit we trust that it will nibt be allowed to remain confined to that

[^5]:    anguage alone, at a peculiar junciure like the present, collision and omparison of opinions being the alembic of all improvement.

[^6]:    *We havo already observed, that we do not think the employment of female teachers, and the formation of separate girls schools suffiently encouraged in Canada, and mentioned in. stances of this being more carefully attended to clsewhere. VVe may hereadd, that in tho State of Olio. the number of male and Somale teachere a well as of boys and "girlén'schoofs, is noarly egual.

[^7]:    * It wonld appear that; independent of the want of edreation making these popular institutions inappreciabie by the pepple of Lower Canada, a strong popular antipally prevails agninst thein, from the first attempt to introduce them having been made by "Ordinape" during the guspension of the constitation:

[^8]:    forcing, taxation for the benefit of education, as a diabolical dootrine, not to be entertained by enlightened inen; and declared that to advocate its repeal was impossible for any respectable Canadian:!

    * We should be duing an injustice to a very influential portion of the British Empire, were we not to remind our readers, that if they want an authority nearer home for a tax on property for the purposes of general education, they bave only to look to the conetitution of the Parochial Schools of Scolland; and if they wish

[^9]:    * This is exclusive of the schools in the great city of New York.

[^10]:    * It may be added, in proof of the conviction gencraliy entertained in other countrics, of the great utility of a ${ }^{\text {genemal superin- }}$ tendcat, that the most of the American Status have such an officer ; and that cven at the late installation of the corporation of the city of Boston, the Misyor, in delivering the ammat address, recommended an application to the Legisiature for the appointment of a superintendent of schools, and also for aid in the establishment of school lizraries, and even for a compulsory enactment for sending children to school. And it has been fonctily remarked by an able British writer, thal " the first and most striking feature in the French and Prussian organization is the existence of a minister of public instruction, distinet from the other parts of the adminisiration. The duties of this office belonged formerly, in both countries, to the Secretary of State for the Home Department: but a separation was made in Prussia by the law of 1519, and in France some time later; and the result has proved the wisdom of the arrangement. 'The entire machinery is thus worked from a common centre, which contributing the first impulse, controls ull the movemente, and riyen tunty of action and character. The prime mover of the whole is the responsible minister of the Croonn; and in France he is one of the Cabinct ministers, and acts with the advice and assistance of a council of twelve."
    $t$ This unreasonable prejudice has not been altogether confined to Canada; for in 1843 the Hon. S. Young, Secretary of State, and Superintendent of Schools of the State of New York, candidly adnitied that he had come into office with a decided prepossession against county superintendents, and determined to abolish them ; but that after attending the Convention of County Superintendents, and possessing himself of a thorough acquaintance with the previous.fdefects and present advantages of that systens, he had arrived at the conclusion, that depaty superintendents, properly qualificd'for the discharge of their fimetions, and earnestly intent on elevating the condition of the Common, Schools, can do much more to accomplish the desirable results than all the other officers cannected with the system.

[^11]:    '. Considering the denied poisonous nature of several substances. with metallic bases, the introduction of secret chemical compounds for purifying the wards of hospitals and the dwellings of the poor, cannot be too strungly repudiated, at ceast by medical men; yet a preparation of lead, one of the most obnoxious of tho metals, as regards healih, with which we are acquainted; but which possesses considerable destructive power over certain mephitic gases, has been prepared for general use as a disinfect ant. Whatever its properitics may be in this réspect, and it it aer. sumed they are not great, there are few people acquainted with the dunger of slecping while in smond fomith in a new y painted room, that would emsider the difusion of the vapour of a molution of one of the ralts of that inctal in the wards of an hospital, auything but a very dangerous and mivarrantable procedure.
    "As the vaphur of the preparations of" mercury when diffused in the atmosphere, will speedily produce the specific effects of

[^12]:    - In cases immediately following abortion, reproduced by a too early recurrence to ordinary occupations or undue exertions. I have observed the harnorhage to conthate a longer time then usual, and even become constant.

[^13]:    *Acelie actid uf thir stengati can be procired from any dragrial

