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## TIIE

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'PHENOMENA OF HIFE MAINTAINHD AND CONTROLLED BY TWO ANTAGUNISTIC PRINCIPHES OF INNERVATION.

> "Curatıo contranorum per consrara,"

ת
bY J. O. FREEL, MD, MARKLIMF, ONTARIO.
On the extirpation of the superior cervical ganglion, the eapillaries of sll parts thus deprived of sympathetic inacrvation ustantly become eongested, with consequent ougmentation of temperature. On tho contrary, destruction of the fift neive induces instantaneous capilary exsingunation of all parts thus deprived of trigemmal influence.
diam, by logical ioduction, it must be inferred, as a natural equence, that the same antagonistic pricciples exteod to the whole of the two nervous systems. "What is true of a part, is trac of the whole." It is crident, too, from the resulting phenomena, that tho tro systecus normally manntan an equilibrium of action commensurate with the due performance of organce tunction that the neurilenma of the seasory uerres must contann centrifugal nerve-fib.ss, endowed with (Be gpecial function of dilatiog the capillarics. and that the sympathetic guglia must send out uerre-fibres, whose special function is to contract bese ressels. Without such artagonistic action, no such phenomena coald possibly be produced.

It is proved begond a doubt, that the eerebro-spinal and the sympathetic eentres possess rery different degrees of impressive susceptibility. Whilo the cerebro-spioal respoud to tho least pussible maluenes, the sympathetic are only affected by an intensified unpressuve force. Hence, in all ordnary vital actuons, the sympathenc foreo remuns ata ionary. the neeessary changes in the capilaries for nutrition, secretion, and, in short, for all other fuoctional requisites, are effected by the cerebro--spinal alone.

It is prosed by experiments, that an impulse sufficiently poteat to impress fully the sympathetic ecntres, produces a regular, intractable, prolonged and more forcible action, than it does on the cercbroupinal centres, henco, a general law, wheh is capable of explaining every vital phenomevon. That a determathate supply of hiood is an indrspensable requiste to the healhy perforanance of orgame fauctions, is a self-evident truth, while too mach overaheims, too little cofeebles, and a complete suppression suspends animation, and, if contioued, must extunguish hife itseif The experments on the stomach of St . Martin furnish a convmend allustration of the existence, and the operation of a gederal daty of adtagonistuc caphliary ampervation. Wheo tho stowach evas empty the mucous membrane was pale, and no gastric juice secreted, but instantly, on the atrodaction of food, the mucous membrane became reddened, and the sulvent began to flow. On the removal of the ongesta, the membrane became agan pale, and the secretion of the gastric flud ecased. Here the exaltant influenec of the food on the sentient catrenities ramifying on the mucous miembrane, is cooveyed to their centres, and, instantly eleratiog the foree of the centrifugal capiltary expanding fiberes, produces a sulticiest supply of blood for the elaburation of the gastrec fluids, but on the remoral of tho togesta, the sentuent acrves-no longer feeling the exalting influence of the centres-resume their normal status. So, the instantancous congestion of the mucous membranc of the uterus, on the impregnation of an orum, and the contraction of the vessels after the expulsion of the footus and the pluecta, prove further the existence of a generai law. Exaltants aod depressants are the only agents in the least capable of influenemg these dyname forecs, this being selfevident, requires no proof.

The obly possible means of ascertanopg accurately the characteristic pbenomena of each class, is to noto carefully the symptoms produced by an agent universally admitted to belong to a certain order. Then, all influences producing like phenomena, must be a species of
the samo gedus, while all identugg opposito characteristies, must be satagonistic Alcohol may be takion as a representativo of the esalting class Meretofore, it has been absurdly held by our professional largisers, that a small quantity of alcohol stumulates, whito a larger quantity induees sedation This theory requires the therapeutic 'action of the agent to diametrically change, or tho physiological laws to bo resersed; enther requirement involecs a solecism of the grosest naturo. Erery action must ineritably increase, to an exact ratio. nith the augmentation of the iacitant. It requires no reasoning to prose that a quart is eight thems greater than a gill, and therefore rnust contain eight times the amount of stisnalus.

The influene of alcohol first cffeets the more suseeptible crrebrospinal centres, and clerates their ces nervosa above that of their ant $\mathrm{I}_{\mathrm{s}} \mathrm{O}$ nists and the felloriog phenomena ensues pupits dilated skic fushed, circulation and reapiration uncreased, organic functions augmented, exhilaration indisposition to steep or repose But when enough has beca imbibed to exalt the moro porcrful sympathetic enntres enntractiog innervation sooo preponderates, and produces the following phenomena pupils contracted, shan cool and pale, circulation and respiration diminishad organic functoons dumntshed, mental obtuseness, sensibility lesened, disposition to slecp. The exalting mfluence still increasion, profound insensibility and death closes the seene. Complete ocelusion of the capillarics suspends all functuonal action, and extiaction of adimation is an incritable conserquence.

The effects of opium on the system possess all the essential characteristics of aicohohe phenomena to entitle this drug to rank as a species of thic exaltant genus. Its ntodus operandi in inducing sleep, allaying pain, nud arrestung colliquative alvioe evacuations, is casily erplained When its action becomes sufficiently potent to exalt sympathetic iunersation the captlartes are contracted throughout the whole system, and the brama betog thus deprived of its usual quota of the element from which all functional activity is derived, becomes, in a degree corresponding mith tho cxaltant action. insuseeptible of impresions, and, therefore, ancapable of perception and of rolition, and consequently uoconscious of paio. If this lethean state is not aetually. Somnus hieuself, it is certanly Morpheus, his son and prime minister.

- In the same manner the intestinal secreting organs. being deprived of blood, their functions are suspended, and the discharges depeading Oo the fluid aro arrested.

Ifasing thus notiecd briefly tho claracteristics of oxaltant infuence, we proceed to that of a diametricaily opposite character. It is evident that tho characteristic phenomena of depressant action must be the reverse of those of exaltant. Depressamt influence according to this oatural lare, must first take effect on the more susceptible capillary dilating eentres, and consequently depress therr foree below that of their antagooists, the syropathetic force thus being in the asccodant contracts the capillaries, and produces paltatity and contracted pupils but as soon as the depressmic nofucneo reaches the sympathetic and sends down the contracting innervation below that of tho dilatiog tho capillartes expand, tho skin is reddened aod the pupil expanded. Wo select belladonna as a representature of the depressaut class . symptoms, 1st stago: pupils contracted, pulso statill and quick, skin cool and pale, mental calmacss, sensibility lesscurd, organio functions inactive. The sympathotic ecntres becoming dapressed in tura usher in a 2nd, stago: pupils dilated, pulec slow aud full, great desire to sleep, skin flushed, insonsible to pan, profuso perspiration, and finally conrulsions, profound insensibility and death from entiro exhaustion of innerration.

That the influenees of opum and belladonna are in direct opposition is further proved by tho discoverg, that they mutually counterach each other. In like manoer, belladonna counteracts alcohole exaitation. A certain therapeutist of this place oecastonally partakes too freelf, comes home and takes a large dosc of belladouna, and in half sa hour is perfectly sober.

In short, exaltants first dilato the capillarics and thereby expend tho pupils, then contract the catpilaries and thereby close in and contract the pupila, whilo depressants first contract the capillarics sud thereby diminish the smzo of the pupik, then dilate the capillaries and thereby expand the pupils. The size of tho pupils always correspond with tho condition of the resels, an explanation of this concurrent action will be given hereafter

It is ovident from the symptoms in the forming stags of disesse that all norbifio influences act as direct depressants. Among the premository manifestations are paleness, languor, listlessness, iodisposition to actire exertion, with uuiversal persersion of function, and finalls a chill. The calorifacient process of insedsiblo combustion being carricd on principally in the capillarics it inevitably follows that tho partial ocelusion of these vessele must reduce the temperature. Exaltants theo, are the ouly agents capable of counteracting trorbifio influenees, to act in coajunction ritt disease in reducing still lower the nervous forces, is to
eadorso the absurd doctrino "smilia similbus curantur" To carry out to the full extent the prineiples caunciated by Hahnemann rould doom erory patient to prematuro death Liko can noser cure its like under any possiblo circumstanees either io a physical or moral scoso. To atrike a man already knocked down, io order to belp him up, is homoopathec theory illustrated.

Morbific influences being clearly depressant in all cases, the only scientific treatment is indicated in the motto "curatio contrariorum pur esntraria."

The complete establishment of this general law would elerate the profestion of medicine to an absolute secicnce and constga all shades of quacking to ao inevitable doom It is tho palpable absurdttes, unecrtrintics and illogical dedurtions, that induce muen of culture to place. their lises in the hands of those whose ' infinitestmal' doses bave no effect on the system.

There is no dnubt but all metallic preparations io small doses net as calitants, and only act as depressaut when biven in suffictent quanfity to irritate or corrode "Poisoning " is a term expressive of no pathological or physiolygical condition. Arsenic produces death through depressant irritation and corrosive sublimate by corroding the primo sio and thus exhausting invervation Depressants, as well exoltants, have a large range The least disagrecable sensation or unpleasant cmotion acts as a depressant, fhite the opposite acts as an eraltant.

From the experiments of the Webers wo leara that electricity contracts porecfutly the small arteries, and is therefore an exaltant, coasequently is contra-indicated in the alcoholic atu "pume msensibility, bat in that arisiog from a real depressang malluence, its powers are berculcan.

Nature seems to have displayed to a remarbable degree ber beneficentintentions in placing in the most conspicuous position poswhe a test that indicates wath unerring precision tho least variation of the relative action of the antagomistic dynamic forcog. The fris is a perfect neurometer, but beforo discussing ats mpportance io diagoosis tre inust enquire into its anatomical structuro. The sathor of the "Dublin Dissector," says "it is not generally sgre $-d$ on, whether the fibrous appearance of the aris deponds on the pecular arrangoment of its vessols and nerves, or whether it prosesses a true muscular structuro."

It is now gonerally hold by anatomists and physiologists
that the iris is composed of radiating and circular mascular fibres. If this be the truo structure what rational oxplanation can be gison of tho mulus uperindi in tho prodaction of its various phonomena? The leatecular gangliun roceives its power thruugh its mutor rout frum tho thard nerse, and tho iris being whully supphed wah nerruus influonee by thu short ciliary from tho lentcular and the lung ciliary frum the finh nerto, afor tho destructuth of tho thind therse what remaining nervous furco could possilly contract the radiating and at tho samo timo dilato the circular matocalar fileres, as the Uranch of the fint giving off the long ciliary, puesesseg all the cpad .wes of a nerse of puro sonsation? Why du all uther muscles suphilied by the third reman flaced? What nervous toree cuald ronder the pupil inmovably dilated? Inow ducs destanction of the thind canso disurganazation of the eye? Afer destruction of the fint norve, how can tho lenticular furce alutie contract tho circular and dilate tho radiathig mascular fibres, theroly rentering tho pupil immovably cuntracted? IIfis accuant fur contraction of the pupil and disorganization of the ego with loss of function in the nerves of epecial senso after extirpation of the superior cervical ganglion? What philusuphical explaation can bo given of the influonce of light io contraction of the pupil?

The muscular hypothesis has given rise to more absurd conjectures in physiology, than oven, if pussible, tho uatenablo doctrine of Hahnemann in medicice. Thus the stimulus of light, tho leart of all impressivo influences is made to jass ay a motor impulso along a nervo of spectal sense, travenso the corpora quadrugemina, switeh itsolf off on the thard nerve carry by foreo the lenticular ganglion and then dilatw une sot of mascles and contract another in the samo atructure in urdor to shut out a superabundanco of the rays of light. This beats Dickens" "eircumbocution office." A nerve of speciat sonse can consoy no other influenco than that pertaining to its own peculiar function, whila none but intense impulses can pass a sympathotic ganglion

Bofore oxplaining its tue nature and tho modus operandi in the production of the irian phenumena, it is necessary to romore another error existing since the days of the IIunters.

It has beon hold as truth, that an artory expands in orery direction at the samo ume, thus becoming greatly attenuated at every puleation, the pussibility of rupure or the formation of
ancurism would to increased. The oxistonee of such a principto would be opposed tw the established laws ot physies, and, therefore, cannot be tries. Nuithor the cundensation of elasuc bodies, nor of muscles, follows tho alteration of shapo, thero tome meroly a chango of form, but nut of magmitude. Honco artorios, being compenet of clablic tissuo and three tayord ot muscutar fibres, must act in obodionco to phystal law. An uncrease in diameter must necessarily cameo a corrosponding decreaso in length, and acce versa. Jut the question inas boen put to restiby actual admeasurcment. Wo hgated an umbitical cord, uturing a fall flow fif blood, in two phace, and found on mspection, that the arteries wore oxtemded bey und the cot surface of the cord, white in a pmrtion not ligated they were retracted out of asght and tourh-the ligaturo ovidenly prov-nting retraction. One of tho arterina heing laid bare, way ligated in different ptaces, and each pieer armirately measurcal, thon puatured and the bicod allowed to escape, when tho vessol cuntracted ammediately, and on boing again measured the lungth was inereased. The oxporiment whs often ropeatod, but always whth the samo result. A prece of the onntrac'ed ressel boing cut loose and lad on the tablo, drow itself up ints short crooks, like somothing atiso, thus-accounting for the apparent shortemug anor an artory has been cut through in tho living tissuc.

Hrving shown the impossibility of explanng any of the irian elanger masiatently wilh the muscular hy puthests, tho conclusion is innpitahle that no such structure oxists. Un the contrary, if a vaseular etructure be tompatible whth a complote oxposition of al the phanomena it must be true.

The reaton of the coricurront action of the aris with that of the nerivas furces, is tuw appatent, disatation of tho man vessels rauses a corresprondiag shurtoning, and thus ditates tho pupils, while ontraction of the calibre of the vessels produces elongation turads tho puphllary margin foatung areely in the aqueous humor, and thereby clusing in and contracting tho papils.

Every one has felt a disagreoablo sensation whon passing from darkness into a brillantly highted room, this depressing influenen mpresses the sentient oxtromitios of the tufth norro which ramifics on the rotua, and is convoged directly to the Trigemind contro and dejressing the force of the diating centre,
leaves the powor of the Lenticular ganglion unbalanced, the irian vessels are contracted and the size of tho pupil diminished. Destruction of the third aerve renders the Lonticalar ganglim powerless, the centrifugal fibres of the fifth boing then wholly unbalanced, the irwn vessols becomo fally diated, and consequontly the pupit permanently onlarged On the contrary, destraction of the fifth nerve leaves tho Lontseular forco wholly unbalanced, tho man ressels become complutely contracted, and thereby ronder the pupil immovably contracted. Hence the disorganization of the oyo and tho loss of function in the nerres of special sense from wanition Extirpation of the superior cervical gang. lion induces congestion of the vasa nervorum of the fifth nerse, and thereby imparsits functions, ultmately producing tho same phonomona that follow destruction of the fifh itself.

To stylo this action of indopendont contres "refles," is a gross misapplication of terms. "Reflox" is defined "a bonding or turning back." A mere sensation must bo bont or turned back, and therefore could be nothing still but a eensation, poosessing no motor influenco whatover. 'The centres receive intelligence of the actual requixements, and gonorato an impulse accordingly.

In the crisis then, wo bave a porfect Neurometer to indicate the oxact relatise strength of the dynamic forces which must prove an invaluable guide in dagoosis.

Great depression from any cause whatevor, demands orch greator exaltant action to elorato the porvous forces ap to a normal standard-any influonce short of powerfuly rousing the sympathotic contres must necessarily increaso the disproportion atready existing botween the tru systems, and theroby increase the danger.
" These shallow draughts intoxicate the imia, But drinkiag largely øill sober us again"

Under a state of great dopression-it is alinos impossible io. imbibo sufficient to antoxicate. We have scon a man sovercle bitten by a rattic-snake, imbibe a gallun of best corn whiskoy in a few hours, whout the loast appruach to mobriation. Licre the co-ordinato dopressing intluence of emotion, aristug from the consciousness of impending death, co-oporates with the rapidig oxhausting vonom, and houce the almost neredibe guaatify of alcohol required to orercomo thor concurrent actions.

So too, in groat prostration, hargo doses of Opium may bo given without tholeast approach to narencia In an almsot hopoloss case of puerporal peritonitis. we ordered $X$ grs pulv. opii. esery four hours, without the least nareotic symptoms, the patient recovered. Dr. Jacques, and Sr S. l, Freet wathed tho progress of the caso. In the first stage of inflammation, a largo esaltant dose walt contract the eapillarins and thereby remore the congestion. From its efferts on the iris we juige that tho "Calabar bean" is the most powerfut of all linown exaltarts, and possibly sufficiontly energetic to exalt the depressed ecntres, if appled localts, and theroby rendor a disturbance nif the whole nervous system, by an internal administratinn, unnecessary

Wo must reserve any further illustrations for another article, bat trust enough has been adduced already to elicit ingenuous criticasm.

## POISONLNG BY CULOHICYM.

> BE JOHN E. GURNER, M.D., LUCKNOW, ONT.

Poisoning by colehicum is at any time a very raro occurrence, and I am not arare that any ins! nee has been recorded in any Canadian jour al.

In the spring of 1857 I lised in the rillage of Zotiand, connty of Huron, and was the onty medieal man within an area of thrty-five males. I resided in a nowleraised $\log$ house My sargery consioted of a very fair assortment of drugs, and the osoal necessary matruments for use, arranged on a rough scries of shelves nailed to the wall. Bottles at this timo were hard to procuro, and it cost mo no hittle trouble to bring them to my residence unbroken. The country wias in the roughest stato of a oom sottlement: ma mads exen $\mathrm{l}^{\prime}$ ox tracks, that eurred in all passible twists and turne and it was impossible to go more than a milo or two after dark and ben the celar lark torch was a posituro necessity to guide the wayfarer Many a weary tramp, Was my lot, in heat and onlt thmugh swamps and over bandHend bush; and the par ras srimp at lest, if ever it was my good luck to get ary at all I had uaed up all my vials, and to supply one patient, I woll remember emptying the tinct. colchice
into $n$ wino decanter, and giving him the bottlo with his required modicino. I carefully labollod tho decanter, and placed it in the back of ono of my shelves. Next morning, early, I was called to seo ono of my pationts, a distance of somo twenty miles, and I left my door securoly fastened with a strong bolt, but not loeked, as my lock had been broken by accident, and I had no opportunity to get another. I returned about suven ocelock in the evoning, through mud and mure, tired and hungry I eat a hearty. supper, and about nino was as soundly asleep as a forts-mile walk could inspiro, from fatigue, I might almost say, from oxhatestion. About ten, I was awakened by a v olont knocking at the door, which was pushed open by two mossengers, in greal baste.

It appeared that during my absence, threo young men of my acquantance called at my house on their may homo from Godorich. They wero named Thomas and Robort IIolm (two brothers), and Joln McIntyro. Thoy had ontered my houso, seoking somothing to cat, and Robort, the youngest of the three, had by some unlucky chance got hold of the bottle mith tho tincturo of colchacum. Ho swallowed half a tumbler full, and passed it to tho others. Melntyro took about a large mincglass full, as far as ho could judge. Tom took loss, and told them to bo cautious, pointed to the labol, and said it might bo "some doctor's stuff;" but the other two pronounced it " most excellont gin." Tom swallowed httle, and declared ho would not tako another drop. Robert laughed at him, touk more, and he and MeIntyro awallowed nearly a pint. Having partaken heartily of a picco of boiled pork, a shoulder of venison and tread, they started for homo. They got as far as Tom Holm's now shady, extromoly oxbausted, purged, and vomiting violently. On hearing this statement from a brother of MeIntyre's, I sprang out of bed, and got tho decanter. It was ompty. Tho poison was taken at three, and it was now ton o'clock. They were fipo miles avay. Wo had no lantorn, nor was it possible to got a torch, as I had no cedar about tho house. Wo passed a restless night, scarcely dozing. as I told my visitors the danger of tho caso, and that colchicum taken in oxsess was a deadly poison. The oight was very dark, and wolves in bands wero howling all around us, making the darkness terrible.

I took such remedics as 1 had, and at the carlicst peep of
dawn, with my rifle on my shoulder as a protector, wo started at an Indıan trot. On my arrisal I ascortained that, nfor leaving my houso, Tom Holm had forced hemsolf to vomit, and he told me he ondeavored to make his brother and Sohn MeIntyre do the samo. They would not do so at first, but tried when it was too tato. On arriving, I found Robert palo, a cold sweat on his ferohead, hus pulse was 160, a hectic flesh oceasionally on tho dhoek bones, very much exhausted; great thirst, vomiting; extromo tenderness over the abdomon, and the intermittent serere pains, precisely similar to peritontis, feet and hands cold; breathing rapid, tonguo dey and brown in the contro, and red along the edges, oyes red and watory, and the pupils dilated; beadacho intense, and ho complained much of tinnitus amium. The esprossion of the countenance was anxious and haggard. He also complained of great fuliness of the chest, and thero was a quantity of biood in ths aputa. Ho coughed severoly at irregalar intorvals. John MeIntyro had simitar symptoms, but milker, oxcopt tho beadacho, whech he described as most intenso, and he often asked mo for God's sako to put a batl through his bead and lot him dic. Ife muttored and raved quite wildly at times, but it only lasted for a fow mmutes. In was at no timo so prostrato i as Robert Holm. Thomas seemed well enough, with the exception of nausea and slight debility, and he was sasisting his wifo to attend the sufferers. I ndministored a grain and a-half of opnum to each, and it produced a short interval of alleviation. Thoy had both been much purged, but that had cusidorably abated beforo my arrifal, as also the nausea and romiting. I tred some bicarbonate of soda, about half a teaepoonful in wator, thad no offect on Robert Melm, but MeIntyro sid it eased the burning in his stomach and throat, so I continved it along with a gratn of opinm overy hour. This produced decided rolief to the latter, but it was ovident to all that poor Robert was sinking fast. I gavo him a little whiskey once, but bossid it hurt his insude. His breathing becamo heavy, almost tertonous, the pulse declining in rapidity and tho headache diminished.

About noon I found his exhaustion increasing and the countenance becoming particularly palo and exprassionless IIs oyo tecamo leaden, and tho wholo body became clammy and cold. Firm applications and bottes of hot-water at the feot and sides,
produced no hat, except at the part in contact. Me becamo quito comatose at four p.m., and remained so till about seven, graduslls sinking, the pulse becomang feebler and feublor, when ho gave a fer henvy sighs and gaspy and expred.

I cuntinaed the Biand Suda, and gradually dropped the Opium with MiLotyre. II is symptums improred, and at the end of four days ho could sit propped up in bed, but was sery weak. The headache was sery betcre in theregion of the corobellum and dimppoared is a weok or tell daye, bat left a great deal of occasiunal gidducess. The tughtuess in the chest vanshed in a fer days, as abou, the pain and dembermos os or tho abdemen, bat a weakness and uritability of the stumach remanaed for sume time, of which he greally complaned. The prostration and lassitude contined for throo weoks, and ne did not got to his own home for sume thas after that. Ine neser montioned any distress of consequence in the regtou of the kidnegs that I recollect, neither tid Thus. Melm, but they buth stated that for sume time thero was slight ardor urine.

MeIntgro hived for some gears aiter, but often wold mo he never dad on could recuter from the effects of tho Coichacam, which lefl a consulurable weakness of the entire frame, and be had nocturnal omissions subsequently to the accident, which wero very distressing and weakening.

I am satisfied he nover recurered from this unhappy mastake, in my rosidence.

An inquest was held on the body of Robert Helm, and I ras requested to make a prost mortem examination, which tewt place about thirty-six hours aftor death.

The face was remarkably pale, and the whulo surfaco of tbe body very white. Tho hips had a contracted puckered look. The pupils much dalated. A small quantity of bloul vored from the nostrils, and a blowdy froth was whe theuth and on the lipes The foeces excaped to a small exteat, and there was an emission of the semen. The handy were seemingly shriselied, as also the toes, the skin being much corrugated.

On remoring the shall, the vessels of the dura-mater nere muich distended. This was also the case with the pia mater, on the conrolutions, in the substance, in the rentricles, and the cerebellam. The seins on the last mentuoned organ twro-extremely full, and bad the appearanee of rounded eurds with small knots on them. The res
eels at the base of tho brain, and thoso of the medulla obloggata vere also much enlarged.

On opening the cavity of the chest, the lungs were darker than natural, and much enjorged, and thero was about four ounces of serum in each pleural cavity as iar as I could judgo, or about eight onoces in all The left lung seened to be more engorged than the right.

There tras no elot in the cavity of the heart, and sory littie blood, not amounting to mure thad a teaspounful or tro.

On examining the carity of the abdumen, 1 found that the peritoneum had been very much inflamed, and also the whote length of the iotestinat canal, from the Pylurus to the Reetum. The stomach was mach inflamed over its external surface and all its vens much togorged.

It nas much more inflamed io the riente of the pyloric orifice, then orer the rails, or in the acighbourhoud of the asophagus; and the smaller intestines, espectally the jujunum, were more antensly infamed than any other part whatever.

I spread zarious portions of the bowels on card and glass, and the teins seemed as minutely injected as possible with blood, and precisely similar to such specimens as are often seen in cases of poisoning rith ascnic.

Tho liver was rery pale, and the gall bladder filled to excess. I attributed the paleness of the liser to an almost total absenee of blood. The rena porte were full ; but not engorged.

The spleen was filled with dark colored blood, and had a darker bok than natural, but oo signs of inflammation were present.

The renal reins did not seem so much distended as those of the otber internal organs The bladder was s.atural on the inside, and did rot seem to lare suffered like the organs, in the abdominal space; - rareatheless the vessels of the surroundio; peritoncum wete much disteoded Neither of the surviving parties complasad of stranguary, jet Tom often told me that for some time aftermards his urive felt hot in passing The same result remained with Mclotyre, but not to so great an extent as might havo beca expected, considering the soverity oftie inflammatico, he must hare endured in the surrounding parts; and it seems strang., the kidnegs and bladder were not more involred, than they really scemed to be.

From the appearances as presented in the post murtem, me aro led. to iffer that colchicum produces death, by actiog as an irritant poison,
and the symptoms seem to be a compound of those of arsenio and opium. The severity of these become remitted at the last, and the unfortunate becomes comotose, from tho compression of the cerebral mass, from apoplexs. The thirst and burbing were always checked by a few moutifuls of water, and this was crased by both patients with great avidity, although the stomach soou rejected part of it. Bicarbonate of soda also secmed to relicre, and Joho Melotyre drank it freels durog his convalusceace. Uprum also reteved both patients, and I gare as much as I decmed safe uoder the circumstances. I have often sioce regretted that 1 did not combine the opium with Hydrarg. sub. mur. as it might have been serviceablo Io the cxtreme paucity of information that in general prosals in reference to this poison, I should than that any reasonable remedy that preseuts itself to the miod of the practitioner, on the spur of the mument, allowabie. Opium is a remedy to be trusted, as the ufflumation and arritation produced by colchicum are dectededy absted by its exhibition, in conjumetion with Sodu vicarb. I thanh this point almost established by tho tro cases under our preseot coosideration. Cold water also eave momeotary rehef, and I did nut curtan its use in the least. Spirits of any Liod are, I think, contra-indicated.

In conclusion I maj remark, that jractising in the bush is by no means working in a garden of roses, and the nom settlements have fuw of the refinements of humanty to boast of. What weary jumrmes! What poor romuneration! and unfortunately, as I havo experionced, how littlo thanks for your bost endeavours, eren when crowned whith the best of success! I often reponted coor cumatig intu these new sottioments, and jet thero aro so matiy picasatit recollectiofis, bo many agrecablo and bonest people thrown an jour way, that the bitter and the sireet seem to blend it a surt of unison. Others must have experienced, the same as I have th a new cutuntry, and succeeding settioments will have their doctor, to bo prased and romunerated as far as passible by some, and by others abused and shandered in overy possiblo manner.

In.my pioneer hife I have experienced most of the enjoyments, and pleasures of the profession and I may justly add, I have also been conrersant with its sorrows and disappointmonts. I bare ofton folt also that if somo of the practitioners around me were in cutics whero their merits wero known, instead of obtaining a fow hundred dollars a year, they would accumulate means,
and hold a high position in socioty, at onco their desort and their natural right.

Before concluding this articlo I bog loave to offor a fow remarks on the

## theraleutic action or colchicush.

The therapeutir effects of colducum are not altogether undentand, even liy the best of medical adopts and it will require a much meprextended fich fior olsersation than that generally afinuled the most sutecesstul practitioners or coon by ordinary Innepitale, leffore many of the results toth beneficial and the reverse can be sut at rest, on this rery important and interesting: subject. I hato used it most decidedly with henefit in erout, chruble ad anfamatory rhoumatism, irritation of the hindeder and urctha in stune or geacel, and in sciation but $I$ in no rase cahitat in any quantity by itself I generally combine the wao or theture of colcheum with tinet npii This I can safely recommend to the notice of thoso who have not thus used it, as a very kindly adjunct to the coldhicum, beeause it seems to allay the srritction or purging of the boweis in larger doses. I generally give it in the proportion of abnut one part of colchin am to two ur tbreo of laudanum mare or less according to the natare of the easo under treatment.

It has bean long a well established fact that coluhenm acts moro rapidly and purges more siolently aben cumbuthed with an scid. I can aver as far as my experience is waterned, and I have had a roasnuable oxtent, that the wine or tacturo is not presented from displaying all its good effecto when combined Fith soda bicarh or potass bicatb or lindur potassa, and that parging is not so readily a sequence. Thas is especially so in irritation of the bladder in stuny depresits. The following are tho proportions that I generally uso and find for the most part that thoy alloviato very much.

> R-Vin. Colehici, 3 drs.
> Tinct. ( $y_{p u i} \mathrm{G}$ drs. Liquor Potasse, 2 oz. Inf Gont. ad $8 \mathrm{oz}-$.Ft . Mist.

Sig Coch. pars. duo, ter quatorve in de.

I also giro infusion of uwn ursi or buchu leaves freely, six or oight ounces a day.

Colchicum I consuder to bo a most aseful rumedy, and well worthy of a trail by those who have not used it. Casos aro of common occurrence where it can be oxhbited with ndvantage.

## MEDICAL MUTLAL IJHPRUVENEAT SOCIETY.

St. Catilanines, Tuesday, Feb. 7, 18 in.

Dr. Comburt inquired if medical practitioners gederally had arrived at any definte and systematic mode of admaistering sulphate of quaine, in the treatment of intermittent ferer Du.iog the latt scason, he had treated, with uniform success, a large number of cases of tertan ague, with the uld fashoned dose of two grajas every two hours, but ho alwags conanenced the exhibition of the remedy as s.000 as possible after the acecsson of tho sweating stage, and berein be considerd there was a most important clement of success.

Dr: Sullivan observed that the parozysm of quotidian was more difficult to avert by the method of small doses at short intervals. In the Western Sitates there is a maligoant form of that feser, termal "congestre chills, wheh sometimes proved fatal upou the third seizure, or even the second. Tho usual practice in such cases is to give at one dose trenty grabos each of calomel and quivine, and this heroic treatmeot appeared to be the mpst successful. The periodic attack once interrupted, he was at the habit of relybgi upou the combived effects of arsenic, quinme, and, when admissible, some form of inon, as propliylactics of tho relapse to whel, in all eases of internittent fever, there is so great a tendency, especially while the patient is suljected to masoratic iofluences. He wished to be informed if any theory of the action of $c_{i} u$ unine, in the treatment of malarious ferers, was generally accepted by the profession.

Dr. Mack said that quiniae may supply the place of some of the biliary acids. A man may be bilious, and suffer extrenely therefrom, without showing it in the conjunctiva or skin. Flint had named ose form of this condition cholestraomis. The taurveholic and glyeocholic acids, remainong in or thrown back upon the circulation, might also account for many deranged and discased states of it. Might not quinine be get found to supply the place of one of these acids, or to
worrect the eril resulting from this re-absorption? It must be remembered, that the presenee of the pigment of the bile mas only found when that secretion was re-absorbed, from obstruction to the biliary dacts. Dr Damon, a high autbority upon skin discases, had assured Dr. Mack that he had found the liver ineolved in a large number of obstinato discases of the skin; and me are mell aware of the pruritus of jaundice, a symptom, as well as neuralgia, of biliary toxmmia, cren When the pigmentary matter of the bile cannot be detected in the urino or external tegumentary tissues. Quinine appeared to him to supply 2 mant in the blood, and not to bo essentially antidotal to a zymosis or abrormal coll dovclopement Organic chemstry bad shown that taurine mas nalogous to this alkaloid, it might also be found to supply some quality having a special action upon the great nerrous ccutres.

In a short discussion upro ovariotoms, whech ensued, Dr. Mack promised to bring before the Societs, at its next mectıge, somo remarks upon that operation, together with a report, in cetenso, of a successful esse in which the gentlemen present had assisted.

Tucsdas, Feb. 14, 1871.
Dr Goodysin reported an interestung case, wheh came under his notice in the St Catharines General and Mnrme Hospital.

Sergt.Major Ramsden, aged 15 jears, mas admuttod into the Hospital on the 13th of Deeember, 1870. His geecral appearance res not indicative of any scrious organce lesion, the appetite mas fair, the pulse did not vary much from the normat standard, the body well sonrished, the face florid He sought admussion tato the Hospital for the purpose of being treated for a bad cough, accompanind with expectoration, from which he bad suffered for tro or threo months. The history of the caso was obscure and did not tend to elucidate the phsical sigus revealed by the stuthoscope and by percussion. Ho sid be had been ill fo: two or three months, had been treated in the Hamilton Mospital for a "bad cough," had neser spat blood that he reollected, and had never been any worse than whon admitted. Physieal signs-dullness on parcussion, pana orer the lower part of the right lang from the nipple downwards. Where the dulloess existed; se respiratery sounds, either normal or abnormal, could be detected. Aboos the nipple, percusoion clicited a clear sound, and auscaltation rerealed coarso ralcs and bronchial breathog. The cough was troublsome, and the cspectoration muco-purulent; the beart sonnds nere
normal, and the reapiratory murmur over the whole of the lof lais puerilo-tho lung appzaring unafiected is disease, but doing ite owo work and that of its fellow. For about awo wecks no marked change in has condition took place, but suddeals there was a rapid alteration for the worso, the expectoration becamo purulent, hectic fever supervened, and it was obsersed that synchronously with the advent of the unfavorable symptoms, the dullaers on percussiou over the lower part of the right lung disappeared, and that bronchial breathing and enarse crepitant rales could be detected over the whiole luag.

Diagnosis-pulmonary abscess, the result of pulnionary congestion.
The treatment coussisted in the application of blisters, panting the tuncture of adine over the aight side, expectorants, with pancreatic emulsion, cod liver oil, stmulants and tonics. The patient rapidly. sank, homever, aod died February 10th.

Post mortem appearauces showed an immense absecss, involviog the entire pulnouary structure on the right side of the thorax, with no trace of tubercular disease, the liver and other visecra wero in a normal condition, the pleura on the rught side was adherent througbout, not a tiace of pultaonary parenchyma could 's found, exeept some hangug streds, infiltrated with pus, several bronchial tubes, with oblique, softened, shages ends, opened into the carmous bag of pus and debris, slight pleural adhesions on the lef side, but lof lang. healthy.

This paticnt was addicted to the immoderate use of alcobolie atimulanta, a habit which seems to lead in mans cases to congestion of the bronchial mucous acmbrane, and not unfrequently to discase of the parenchyras of the right lung.

May not this carcupistance be duo to that sympathy existiog botween the whaskey-abused liver and the lung, owing to proximity?

Dr. Sullivan reported a case of celampsia in a paiturition of twios.

Mrs. C. cailed to request my attendanco at her approachiog accouchmont. She stated that her general health was good, the onls inconvenicuce felt was from conetupation and anasarea of the legs, for which I recommended an apersent, with rest on the sofa

October 2nd, at $6 \mathrm{a} . \mathrm{m}$., I was called to attend her in labor. I Found her in the third fit of convulsions of a tetanic character, fsee pale, no stertor, no anasarca of the face or hands, pulso about 90; 00 paroxysms, pains nearly natural in intervals, quite unconscious 0 a making a vaginal examination, I found the head presenting, first pasi-
tion, os difated, and membrancs protruding which $I$ iumedatels ruptured. I wanted a consuitatiou, and Dr T Mack was sent for, muth the request to bring chloroform and instruments In the interval, about an hour, she had threo convulsiong olthnugh the cold duache mas constantly apphed. Un makiog an examinatino the head was to the pelvis, the foreeps were applied. and she was delifured of a havg female clatd. Ls about treenty minutes Dr Mack, on iatroducing bis hand to remore the placenta, found another child, breech present. ing. IIe anmediately brought down the feet, bnt the head was. detained at tho supertor stratt. Tho foreeps were put on, and a male child de.tered, a good deal congested about the head, and could not. be resuscitated after the application of the usual remedios for half-as.bour.

The mothor remained insensible and had three or frur convulsions doriog dherery, she then remained guret and called for her mother, but after an hour had elapsed, the convulsions returned She was then plated uader the anfluence of chloroform for two hours-using 2 or 302 .-after whech she became partially conscious, taling beef-tea and whiskgy and mater alternately every half-hou: At 2 o'clock p.m. the bad 8 grs. calomel, mustard sioapisms to the spine, and hot bottles. to the fer of de.

Dr. Mack saw her again at $4 \frac{1}{2}$ p.m.; he introduced the catheter, bet found no ur . The patient died at $90^{\prime}$ 'elock p.m.

I wish to ascertain the opinion of the meeting on the causes and theatuent of this most droadful malady Is it caused by nonelimiosLion of urea, or non-production of urea, and consequently albuminuria? Blot sags it is due to nerrous irritation of tho kidecy mith pregoancy; Barnes says it is owing to obstructed action io the placenta, Bright's disease is not a cause, as it generally produces abortion at an early priod of pregnancy; pressure is not a cause, as momen with ovarian dropsy alo not subject to it. Franch and Braura state that it is oring to a ferment actiog on ures in tho blood, whicin chagges it into cartonate of ammoma; and, reasoning from effect to cause, whech we are verrly slways compelled to do in medicine, I must say that it is quite fastible, from the fact that acids are said to be a certann curative. Prof. Braum givos 16 cases which he treated with chloroform and *ids, and all recovered. Tanner's experieoce is io favor of thes treatanthand claims that death is the exception Frericks states that be bas proved by chemencal analysis, that urea is chaoged idto carbonato. Wemienisa, and cites sereral experments which be bas mado upon
animals, by iojections of carbonato of ammonia II gires beazoic actd, tartaric aed, !emon juico ani other aectic acid injections, and spongug the body with the same, but I canoot sex tho ni cssity of this, if it is true. as Dr. Bird statez, that benzoic atid is thu only one that will act on alkalive urine.

Dr. Goodsias sad that he desired to a al attention to the forms tuon of emboh in tho heart, as being $n$ more frequedt cause of death than mas commonly surposed. In debility, arisiot from aus cause Whatoser, espectaly if th was acevtupanied wath wbstruction of the pulmonary eirculation, owing to pacumonia, ut valsular diseasc of the heart, there was a risk of this fital complication occurring.

When the action of the heart is nearly, or, for a brief period, quite suspended an syncope. cmblohsm of the heart is to be dreadad. It is in this way that l'.ul. Meyse cxplains certain cases of sudden death occurragy after purturition. Eubbolisen tuay tahe place in rarions discases melviug user-accumalation of blows in the heart cavities, reakness of the ventriculan contractious, an uscrplay of allince, or a cendition of the blowd favoring cuagulativn The suddea vecurtence duriag the progress of a disease, more cspecially pucumonia, of great irregularity and fuebleness of the hearts action, with dyspocea, oppres sion, ansicty-death tabing pidew a for huurs after tho supersention of the symptoms-should lead, in the abscace of any other casse for the change, to a stroog suspictun that an embulus had formed in the right ventriclo. Dr. Goodman stated that, in the physical prostration arising from the abuse of alcuholic stimulants, there was a tendeece to death by the formation of a heart-clot, and related the results of two post mortem examunations made, after sudden death, of persoas Who, for a long time presious to their decease, had been extremely intemperate. In both cases, a firm, whitish, fibrinous clot nas foued in the right ventricle of tho heart, the apes of the mass pluggiog of the orifice of tho pulmonary arterg, like a cork in a bottle. IIe also mentioned two other cases, iu which tho same state of things wis found to exist, on laying open the cavitics of the heart. In one of theso cases, the acetdent had been preceded by great phgsical prosifrtion, the result of chronic dyspepsia and obstinate romiting; and is the other it resulted from discase of the aortic ralves, accompanid by immense dilatation of the aorta, and deposit of osscons scalcs upon its inacr mall. [Ilcro tho pazhological specimen was exbibited by. Dr. P. L. Mack, who had preserved it. The scales of bone were of aboot the size and shapo of fish scales, and wroc attached to the inner wall of the
zorta, throughout tho circumferenen of its cylader, and tor about anioch and a-balf on the distal side of the ralres.] The narrator atated that, in tro of tho post wortem examinatione, ho had been ferored with the valuablo assistance of Dr. F. L. Mack. In concluditg, tho Dr. refurred to the ingenious expcriments of Dr. Richardson, of Londoo. which seen to prose that the Aluduts of tho fibrano in tho rascular sjstem, is due to the prisence of ammonia in the blones, and that, setion upon tho information derived from has experiments, many physicians note give ammonia, with a siew to mantan the fludity of theGbrine in the blood, in cases in whech there mag bo ruason to fear theformation of emboli.

Tuesday, Feb. 21, 1871.
Dr Serimivan adduced for discussion some cases of fracture, oecurriog in his practice duriog the last sear. He felt that, in the spplication of bay lages, io all cases of fracture, the sins of -ommission bad far exeecded those of omission, and that it woutd bo better for anthorities to proscribe bandaring in tote in such iojures, than to countenanco the careless and unnecussary baodagiog so often practiod bow In one instance, a tight landago and lateral splants had been applied 24 bours before consulting Dr. S., for a supposed ftrecturo of the forearm The patient had been thrown from the top of a toaded Hasfon and stepped upon by vae of the horses, upon remoral of the dressings the limb was found to be soriously eechgmosed and resteated in places, and greatly swollen, a wound, anfleted appareatly by the ork of a horse-shoe, extended deeply toto the soft parts orer the internal condgle of the humerus, but nu fracture could bo detected. Applied warm water dressings and no sphat or bandage, and the man made a good recovery from the combiaed effects of treatment and sccident, in about three weeks. In the present dags of malpractice mits at-jav, this case, in malevolent hands, might have proved injarious to the surgeon first emplojed. A carefully adjusted splint is often an error in the right direction, but it is almost ampossiblo to apply a ban lago so as to allow for the tumefaction, which may take place, and yet derive any support from it.
a moman, after a fall, coroplaned of eversion and dislocation of the foot, fracture of the Gibula coull be detected three toches abore the external malleolus, but no fracturo of the interaal matleolus cesisted.

The usc of Iupuyren's sphat in this accident, is by no means
descring the confidenee getierally placed in it, and he preferred a posterior splint and foot-board.

Dr. Mack remarked that he always treated fractares of the leg and also fracture and dislocation uccurriog in one or beth boncs, by reduction, and mantamod them at rest it an estempore fracture-bosformed of a pillow and tro lateral splats-without bandage of ang kind, untal a selection could be made of the most fituog apparatus for the case, he did 5 th thiok that, in this form of fracture, Dupugtren's splint accomplished all that shuuld be expected from it

Dr. Suliviss sad that the sujury to the whole structure of the joint, is so great, that very generally the strelhng and inflammation ran too high duriog the first few days, to bear much restranat from apparatus of aoy form.

Dr. Mack bellesed that ruptare of the ligaments sery generails occurred, and injury to the jonat, from a lateral rutation of the astragalus upon the lorer arttculatiog surface of the thbia and fibula. Tro sphats and a foot-board were the most satisfactory weasures for promoting umon of the broken fibula

Dr. Sullivas sad that the ankle-junt generally remained stif for some tune after the removal of the apparatus, and arged the propriety of an early recourse to passive motion. IIe then reported the particulars of a case of fracture of the nurer condyle of the humeras, with partal dislocation, in a child 7 gears old, the mother had redueed the dislocittou ammediately, which was prolably of the head of the raduus bach rards. Pasteboard sphats were applied. and the scmiflexed positton maintancd. Slight passise wotuon was cauciously commenced on the fourth or fifth day, aud repeated on the cighth day, -when the sphot was removed, a baudage allused to remain, and dails passire motion eojoined, in about four weeks from the date of the - accident, a perfect recovery had taken place.

Dr. S. hed often seen false joints resulting from ungicldins splints, in fracture of the bumerus from gun-shot wounds, and anchylosis of the elbowrjoint from the aame cause, and considered that great judgment should be used in the employment of bandages and splints in all such cascs.

Dr. T. Mack reported a caso of Uvariotomy, Mrs. Nutt. agod 40 , - mother of 2 chaldren, married 10 years, canc to this country a jear ago last Januars. Consulted Dr. Mack hast June for Dyepeptic sjmptoms, she then beheved berself pregoant, but as she had meastaratid rogularly and aecordiog to ber own computation had gone ovet ber time, she experienced somo anriety upon the subject.

Her complosion mas farr,'wth good colour of cheeks and lips, she was in good conditiou, enclined to embonpoint, her habits were regular, with a love for good living, the surface of the body wis healthy, the abdomen was colarged much beyond the usual size at the full period of gestation, fluctuaiton could be distanctly felt no tenderaess, no signg of fotal errculation, no placental souffle, the uterus scemed to be in proper situation, measured upon the sound about two inches more than ats norinal saze, the os. patulous and crodod, with a similar condition estending up the cersis, lencorrhess, urino seanty abounding in lithates and huth coloured, tongue-coated, appetito rariable, bowols costire, areat flatuence, mentally depressed from the rocent loss of a ebild, pulse 50 , full and quick. No tumor could be detected by the most careful examination. She was informed that she was most andonbtedly, not preguant, but that the exact diagoosis betreen Aseltes and Orarianeniargement coutd not be elearly made just at the time. She consented to remain uder my caro for a fer monthes She was put under treatinent for Ascites, based upon the hypothesis of Lepatic discase. After four mooths the tunor appearing to incrosse steadily she was tapped and about half a patfut of thick albuminous fluid of a dark colour, evideatly such as is often found in a Multiocular Cyst was discliarged. A carcful examination now clearly rovealed a large -Orarian Tuncur upon the left side, probably a Multilocslar Orarian Cyst The exact atture of her discase and of the operation for its relief barigg been fully explaned to her, sho demanded that the operation should be performed as soon as it was deemed advisable. A mild Aperient laving acted upon the bowels and a careful diet haring been obserred for a fer days, Dr. Mack, 31 days after performance of paracentesis, 13th of Norember, proceeded to the oporstion with the assist. suce and in tho preseace of the following professional confreres, viz Dr. Goodman, Dr. Comfort, Dr. Oille, Dr. F L Mack Dr Sulliran, Dr. Alexzader, Ur. Olliser and Nemburn, of Clifon and Drumunondville, and Jr. Lambert of Amherstburg.

At half.past oae p.m., she was placed upon a table in a proper position. A pioce of indian-rubber cloth was laid over the abdomen, baving an clliptic opening trith adhesive margins which wero applied to the stin for tho purpose of teeping the pasterior surface dry. Dr. Lambert then administered Chloroform io full Anesthesia. Dr. Hack mado a small incision dorm to the surface of the Cest, about tmo inches below the Unbilicus and calarged it by cuttiog downwards xith a-parr of strong curved scissors. At the point where the trocar
lasd enterod very firm adhewions were found. The scissors were thes used in an upward direction, keeping to the left side of the Ymbilicus untal the hand could be introduced, when the surface of tho Cyst was carefully explored and found to be fres from adhesions, esecpt in a spot about four mehes ta circumferenece ahere the operation of tapping had been performed. The large trucar of Speocer Wells was now plunged into the Cyst and fixed to the walls by the wiogs. A thick fluid poured out, alded by compression of the abdominal walls by Dr. Comfort, white the sac was held and prevented from collapsion by Dr Goodman, with a strong serrated forceps. After emptying the Girst sac it was found imposssble to proceed, befure separatiog tho sae from the adho stons aiready menuoned, in the dissation for this purpose the true sac was so firmly unted to the peritoncum, that it spas cut through and the membrane hang the suc way for sumo distanee dissected and torn off fromthe anterior of the sac, this instake led to the extrarasation of a amall portion of the fluid contents isto the abdominal carity.

Bags of heated sand were placed nerr the limbs, the haod was introduced anto the sac, the ceilla mere brcken up and a sufficieat quastity of the gelationos fluad cracuated to caable as to turn the whole mass out and freed from ats attuchereuts, it sis supported by an ansistanh white the pedicle was secured by. Prof II. IR Storer a Clamp, at as long a distance as possible frum its urigio, the tumour was then cut amay and reeerred in apal. Baker Bruwn s Clamp was next applied, Storer's Clamp remored, and the pedicle mis seared off close to the surfacs of the Clamp by the actual cautery. Spencer Wells' Champ mas applied behad the large ono and carcfully secured. Bromn's Clamp was rtmored, and the searcd surface of the pedicle froe from any oozing and well secured, romatacl. The oppostte owary was nest examined and found to be healthy. Great care mas taken to maintain the tempers cure of the room at s0 throughout the operation and to sustain a proper heat of the surfacc of the putients body. The most careful spougrog of the abdomanal curity mas practised and no source of be surrhage or clot allumed to ruramin, overy drop of extravaeated fuid was thoroughly remored, belusiag mith Frof. HI. R. Storer, that thetime elapsiog for se duig is beacicidi more than injurious to the peri. toneam. Four deep stout mare sutures wero now idtroduced, so atto ensure apposition of a strip of purituncal surface, and six superficial sulser. (thin) mare sutuces securely closed the roiand, learing the pedicle secured at ats lower end. Long straps of alhesive plaster, after the method recommended by Prof. White, of Buffalo, were made
to encirclo the whole abdomen. A broad dannel bandage was applied and tho patient was placed upon a comfortable hydrostatio bed filled with rater at about $80^{\circ}$. A waren foot case asd bags of hot water were applied, the Anesthesia was suffered to cease, and a small quantity of iecd brandy and water smas admiaistered, followed in half an bour by $s$ littlo beef tea. The whole time, from the commencement of administering the Anesthetie to placing her in bed being about two hourz, from half-past one p.m., to 3.45 All water used in wasbing the sponges was feebly carbolized. The tumour and contents weighed, in all, about 31 pounds. Her pulse, when consciousaess had boen fully restored was 135 . At 5.30 she had vomited the beef tea, pulse 125. loo was administered and a Encma contanding 15 drops of Elixir of Opium. Occasional romiting controning when beef tea mas taken, iced milk was substituted. $\Delta t^{*}$ half-past nise tha Catheter was used and employed regularly every sis hours as long as it was found to be aecessary. A mixture of Creasote and Elizir of Opiuta, fise drops of the latter and two of the former was giren. At 12.30,pulse 120, patient warm and comfortable, bas slept quetly for 40 minutes. At 3.10 , as the brady and beef tea would not remain on the stomach, Clampaguc nas ubstituted with execllent effect.

On the day following the operation she romited but seldon, kept noorishment down very well, and at 4.30 p.m., the pulse was 108. west Carbolic lotion was applied to the pedele. Urine passed naturally. At 10 p.m., vomiting increased to an alarming degree. All nourish. meat by the mouth was suspended. Dr. Comfort tho remained with ter during the ought ordered half a grain of Morphia, apphed mustard to Epigastrume and gave Einemata of beef tea with 10 drops of Elixir of Opium erery tro hours. On the seond day after the operation the symptoms continued rather uncomfortable, but the next day she began to improve slowly and steadily The Clamp camo amay on the tenth day and she conralesecd mithout a single bad symptom unthl now, about thee months from the date of the operation. I meet her daily in the stroet walking and apparontly in good health I should add that the temperature of the room was steadily maintaned at between $70^{\circ}$ and $S 0^{\circ}$ for a week after the operation, and at $70^{\circ}$ until sho mas able to sit. ap.

## A CASE OF STONE IN TLIF BLADUER.-DEFORMITY.-OPERATIUN.-SUBSEQUENT DEATII

By W. Cansurt, M.D., MLR.C.S', Eng. , Prof. Surgery, Victoria University, Surgeon to the Turumu General Inuspital, Prosudent of tho Medical Sechun, Cumadian Iustatute, late VicoPresident Canadian Medical Assuntation, Currespunding Monder of the Gyatculugical Sunety of Bustun, Ilvitorary Member of tho New Brunswiek Modical Societs.

Stouc in the bladder is one of the nost important surgical affections. It is important not merely because of the seceral modes in which the stone may form, but from the great mortality which statistics aform us attead uperat se pruedure. Thas accordag to statistics recently prepared by Sir II. Thompsou, the average mortality attending hithotomy in the London hospitals is 1 in $7 . f$, and in all England it is 1 in 6.93 ases, while in Surope genaral. y the average is 1 in 5.14 . So the siatement of Erichisen is evideatly true that "Lithoturay erea in bealthy subjocts is always a dangerous operation." In children the daoger is constderably less than in adults, so that the average number of deaths among adults would be sometho: greater than the above mea tioucd. The presence of constitutional or local disease adds very much to the danger. A.ran, accordlog to statistics prepared by Crosse, the mortality is to a marked extent modified by the size of the stone. He has found that whon the stone is one vunce or under, the average of deaths is 1 in 11.25 , when from 1 to 2 ounces, the number is 1 in 6.61 ; when from 2 to 3 ounces, 1 in 2.18 , when from 3 to 4 ounces, 1 in 1.57. "This illustrates very cleariy the fact that the operation for the remoral of a large calculus is far more dangerous than that for the extraction of a stall one."

Tac histors of tho case I am about to give is one of great incerest. Mr. S.—, of the age of 25 has been afficted mith symptoms of stonefor 14 years. Some years prior to the first appearance of the symptoms he had arthritis of the right hip jotot, from which he ras laid up for a long time. The result of thas disease tass dislocation of the hesed of the femur upon the dorsurn of the shum, accompanied with deformity of the pelvis. Havang occurred at so carly an ago the coadition of the young man now is one of deelded deformaty of all the parts about the pelvis. The syinptoms of stone hare been borne by tho paticat rith great patience duriog long gears, but laterely the distress has become

30 great that he determined wath the advico of his physician, Dr. Eleming, to risk the success of an operation. Tho pain is very great, and for a long time he has been compelled to lie upon his face to relieve the distress caused by the stoue pressiog posteriorly IIe can retain but a rerg little urine in the bladder. Loner continued sufferive mith testlessiness has redaced him to almost a skelcton His appetite is aerer good, yet ho rutains a good degreo of sprightiness So far as can be learaed the stoae has only once beea felt by means of the sound.

Ifc was recerved as a private paticnt into the Toronto Mospital on the 17th Jan. 187! The following day I intruduced a sound into the urcthra which, with but little difficulty passed to the trauguar ligament. A litte manipulation then brought the instrument in contact trith a stone. but it ras fonund that it wuald aut readaly enter the bladder. The folloriog day I again passel the sound to the stone, whthout any further advaocoment Two dags later I had Dr. Bethune in consuttation, but on this occasion neither of us could feel the stone. We determined to let the paticut have, rest of several days beforo further oxamination Four days thereafter evers preparation was made to perform the operation of lithotomy should twe succeed to reachong the stone with the instrument Instead of using a sound, a grooved staff was emploged so that prompt advantage could be taken of a farourable iotroduction But we were dooned to disappontment, not only could we not introduce the staff, but the sound could not be made to reach the stone, although different sizes and kiods we:e tried. Uader such circumstances it was of course impossible to proceed with the operation, and it had to be deferred The patient suffered tempor. arily from irritation of the urethra, but it was shortily reliered by the usc of hyose yamus and flas soed tea, and in a few days the condition of the pattent was as before the effort to operate. After some days elastic bougics wero tried as well as the sound by different persons, but in no cave did the instrument pass beyond the anterior part of the prostate.

After a further consultation preparations were again mado to operate, if it were found practicable Having beco plared upon the table, the patient was put under the influence of chloroform. After repeated fruttess atteinpts by $a y s e l f$ and nthers to pass the ustrument, and as we were about to give up in despair of reaching tho stonc, I made a last attempt. By means of the straight staff, I at last succeeded in touchng the stone. Others haring corroboratzd my declaration that I felt it, and as we now knew the instrument wiss in the watural passage, it res a more easy matter to urge the instrument on. Some manipu-
lation made it convenient to feel the stone with distipetness, although the instrument would not cuter the bladder. The straight staff mas remored and a curred one substituted, which readily came in contact with the stono. It was decided to proceed with tho operation of lateral lithotomy.

In consequecte of the deformity of the parts, it was found that the paticot couid not be easily tied in the usual pusitiva for this operation, and I was induced to act upon the sugecstivn to trust to those present to hold him ta the ordiaary position so far as could be dooe This omission to the is one I would not advise in ang case, as in the courto of the operatton it may becomo impossible to steudily retain the patient in that pusition so essential to a satisfi ctory operation. U ${ }^{r}$ pon examination of the perinerum, when placed in position, it w: s found that tho deformity very considerably affected its appearaoce. Tho "aphe from the auns to the scrotum was materially to one side, and curred. The outlet of the pelvis was eviden tly abnormal, in consequence of the long continued deformits at the hip joint. This unnatural cendition of the parts, and the fact that the staff did not jairly enter the bladder cither from the great size or from some unagual position of the stone, in connection with the constitutional disqualification of the pationt wers not by any neeans assuric -1 I confess I commenced the operation with some apprehensiou pidation." The first incision was made caatiously, and I was inducul to conmencer it somewhat more posterior than might advantageously have been done. With a trifing delay the first part of the operation was accomplished, that is, by incision, the pecessary structures were divided to lay open the ischio rectal fossa, But now was encwuotered the first of sereral difficultics. It mas found that tho membranous as weil as the prustacic purtions of the uretbra were in an abnormal cundition, and the reason why the iostrument would not enter the bladder was fully explained. The stone occupied tho prostatic puation of the urethra, which was much dilated. But the principal thing which at this stage engaged my attention was the abnormal thickening of tho membradous portion. The thickening was so great that the staff could with dificulty be distinguished through the coats. And as the instrument was not within the bladder, but merely resting ayainst the stono, it was impossible to hold it firmls fixed. The presence of the stonc where the prostate alone ought to have been, with the thickening aod induration of tho membrane gave the case a degree of uncertainty which ono operating uader ordiaary circumstances could aot fully realize. Afer a
littlo delay to consider the bearings of the case, a curred, sharp-pointed bistoury was passed along my finger and made to penetrato to the staff and to divide a portion of the wall, cutting from behind forward. I then with a straight knife, cut to a hmated extent torrard the prostato. The frobepoisted lithotomy kiife mas then taken and passed along in the lateralized pusition catul the cod of the groove was reached, butit mas plain that at the noust a pery humed openugg had been eflected to the stuac This of cuurse can be actidly understood when it is remembered that tho shaff did nut pass over the stone, whech occuped the dilated prostiti. At this jancture I wished the opmon of another, and Dr Mudder iatruduced bis finger to the staff and expressed the opiniou that the bafi shuuld aut bused auy wore, but that the opemng shutd be enlarged by the fiojer passed along the etaff, whech he did. I then placed ang fitiger agaust the stoue, and the staff mas removed. The furecps wh. anruluced and I tried to grasp the stone, but this Wus impossible. The stunu was planaly a large one, and athough forecps of diffrent size, shape, and construction mere employed, not* ooc could be made to encumpass the stone, but portions of a soft stone mere broken off. Fanhag with the foreeps the scoop mas used, and pussed th the pusterior part of tho stone. With the finger as a counterpoise au effort wis madu the extract, but the stone turned on its axis and the scoop came away, carrying a fragment of tho stone. Theniog the changed position mught eabie me to grasp it, 1 again tricd the forceps, but cuuld not sufferently dilate to enclose the stonc. Do the scoop was again taken, and with more success. Tbe stone mas slowly by an oscillatiog ruventent extractel. Its size mas about that of a billiard ball, and ruaded. Before any purtion of thad been crumbled off it must have iwen considerably larger than a billard ball. Uf course the shape and sizu, in councitiut wath iss positoo, accuanted for the insurmouatable difficuly of seizing it with the forecps.

During the eourse of the operation I had not giren much attention to the waditivn of the patient, but was nor informed that he bad remained in a far condition, exeept that tho pulso was somerrhat weak. The bladder haviog been washed out with warm water the paticnt was put to bed, and mado comfortable, beinö secmiegly ouly affected by the chloroform, There was nothong alarming nouced, and the gentlemen who kindly rendered assistance departed. Rematotog in the room, I observed, about half an hour anker the operation a marked palor of the face, and found the puiso weak. At this time he had passed from onder the influcace of chloroform. Stisulants were giren more frcely,
and hot bottics put to his extremittes. IIe rallied for a while, and could speak, cxprusung haself is feeling poorly, but as being free from paic. But about an hour aftervard the palse suddenly grew weak, and although the strongest stumulats Were adoninistered by mouth and per rectum, he fually sank and died.

In viev of the statisucs aren in the former part of this paper, and the pathologeal conditud ul the parts involved in the operation, both mithout and witho, the length of the thae the stone had been in the bladder, 14 jears, tho stze, and the shatiund condition of the patient's general health, it mas be zand there was bo solid ground to expect a favourable issue. Reviwing the rhole matter, and consiblering the sucerssive obstagles which were cnenunteral at the several steps of the operation, I fan tw aee to what respect ans other course could bave been at ang tume taken by whith the chances of the patient rould have been anereased, aithough, ons whit often, apon reflection, imagine he mizht have done othermise for the beblfit of has patitit, just as the on Icoler will often fanes that, had he the matter in hand, difficulties would disuppear like frost before the rising sun.

In conclusion, I nould express my thanks for the kindly aid offered by the scecral medical geutlewen preacat. In all operations, and especially in trying ones, it is of the firstianportaneo to have efficient asoistance from thoso who stand ready to aive judicious advice wheneser - you may ask it.

## (To the Editor of the Canada Lanoet.)

Sir,-1 am induced to ropurt the following case of pucrperal fever, as I behove it is out of tho ordinary routine of such cases.

Mrs. Margaret L., aged 25 years, thiri pregnancy, admitted to this hospital at 10.30 p.m., on Fobruary 16th, 1871 . She stated that the pasns bogan that evoning, about cight o'clock, but did not become sovero thil nine, when her hasband brought her here in a cab. The pany gradually became more regular and severe, and at midnight sho was safoly delivered of a fino healthy boy, weighsog elght pounds. Tho placonta came awny in balf an hour. and the utorns became firmly contracted She stated that she had made favurablo and rapid recoveries in both of her previous confinements.

Tho pationt conunued to improve for oight days, the lochix beng normal in quantity and quahty On February 24th-tho
ninth day-I noticed, fot the first tume, that tho pationt spoise at times in a rather strange mannor, but always mathonaity, and wished to rise. Pormission was gison to tho nurse to allow her up, for two hours Whilo tho nurse had her back turned, the pationt ran to an open windus in an adjomang ward, but could not have beon thore scarcely a manatu. Stho was ordered to bed again, and still said she felt perfectly woll, contunung to take hor food with a good appetite. She wis questioned as to feeling any chill, hut persisted in saying that she had not, and no rygor had beon noticed by the nurse.

About seven $p$ m., I mado my erening visit to the wards, and found her sery woll, with the excoption of the pulse, whech was abont- 85 or 90 , but I attributed this to her oxcitablo character I then went out, but on my return, about $11.30 \mathrm{p} . \mathrm{m}$., I found that they had been obliged to sond for the attending physician, as the pationt had become excited, and complaned of great pain over the abdomen.

Turpontine stupes were applied to tho abdomon, and an opinte overy two hours was orderod. Pulse 160.

February 25th, $1030 \mathrm{a} . \mathrm{m}$ - Pulse 136, abdomen tyinpamitac; tongue dry Professer Simpsor visited her at 12.30 p.m. Pulse 130 , local peritonitis on lower border of the liver. Turpentune stupes overy half hour, opiate every two hours, turpentine intornally, 10 drops overy four hours. Towards orening the palse became quicker, and when pressure was applied to the abdomen sho complained of no pain. The patient continued quito conscious till about 6 a.m on Fobruary 26th, and at 7.15 a.m she took a convulsion and died ammedately after.

What sooms very strange in this case, is that tho patient continued so woll up to the ninth day after dolivery, hor diseaso being ushored in without showing any premontory symptoms of its approach, such as a prolonged chill, rigors, tsc. No assignablo cause can be shown for the rapud inception of the disease. No ono had visited the pationt oxcopt myself and tho attending physician. It cannot be traced to au erysipelatous patient in any may, and no othor pationt has died of feror in tho hospital for somo months.
Yours, \&c.,

Edinburgh, March tot, 1871.

Fred. R. I. Stratily, Houso Surgeon.

## Co the Elitor of the Carach lanece!

Sin,-I am not sure whether you allow controvorsy to take place in the pages of sour journal or not, I hope you do, to a certain extent, as I thank a hitte controverss bencficial, especially to the gounger members of the profession, provided it be carried on honourably and honcstls. I hope sou will whige mo by alloring my prosent commumeation to appear iu tho Luncet, as I feel it somerrbat incumbent upon mo to write it, inasmuch as Dr A. Agnew, of Delamare, Ont., in reportugg acaso of worm ferer in the March number of the Lancct, sumewhat samilar to my case, which appeared in the January nutober-only more so, as Artemus Ward would hare said, alludes to ney caso in a rather disparaging manner.

Ho first informs us that it is often difficult to tell whether the worms are the cause of the discuse or amere complication, and then states that the report of my case thross very little light upon the subject I have read the report of Dr. Agner's case, and I fail to see that it throws any more light upon the subject-certainly more worms-but seareely more light. Though the reading of my case may not have let much light into the Dr.'s mind, it probably assisted him in diagnosing worms to be the cause of his patients trouble, especially as the worms were makiog therr apparance, per. os., add also in determining him to attack the "varmints," as he so graphically describes it.

He further states, that the presence of 18 worms in the botrels, was scarcely sufficient to acconat for the symptoms I described. ds well might Dr. Agnew say, that the inhalation of marsh miasmata, was not sufficient to account for an attack of ague, with its accompanying train of symptoms. And, in my opivion, his grounds for such an assertion would be far more tenable,

Howeter, in reporting my ease, I did not enter into any pathological discussion of tho subject, as Dr. Agaen has attempted to do, but merely reported the case as it oecurred in my prastice, with the treatment and ats result. And, whether or not, the presence of 18 worms. was the cause of tho symptoms I described, certain it is, that upon their remoral tho child got better immediately. But with your per mission I will now make a fen remarks upoa the subject. I quite agreo with Dr . A. that-it is often difficult to tell whether the worms are the causo of all the symptoms. But we are often beset with greator difficulties in other diseases. I suppose that $\mathrm{Dr} \mathrm{Ag}_{\mathrm{g}} \mathrm{w}$ is amaro that the alimentary canal is hoed with mecous membrape, and largely supplied with little ressels, called absorbents, and that one of the strong
est laxs ic the znimal cronomy is that of kympathy of one organ or set of orguns with another Norr, the presence of a large number or crea a limited number of worms in the alimentary caual, must, and docs set up ą great amount of arritation, and interferes greatly with. the process of digestion and assunilation. That a great deal of arritative is present is plainly she wn by the elaracter of the stools. And Then wo taise intuconsideration the fact that morms are gencrally found in chitdren whose üet has been erroncous and illresulated, whech of itzelf is sufficient to cause a great amount of disturbanco, throughout the systen, it is easy, I think, to account for a great varicty of symptoms. And furthermore, in my opinion, the irritation ect up by the trorms, which has been going on in the system for some time, gives rise to discused matter, part oi which becoming absorbed, acts as a species of blood poison. Hence, wo have the circulation evidently disturbed with its accompanging feser, heat of ekin, cruption, ic. Iuconclusion, whether or not the woras are the cause of the symptoms, I Leor that during the last seren years i haro had a number of cases of worm ferer, the symptoms of all disappearing upon the remoral of the cause (worms).

Apologizing for the spaco I have calen ap, I remain, Yours very truly,

R. J. Darragir; M.D.

Columbus, Ont.
(To the Editor of tao Canada lanset.)
Str,-I im greatly anused by the trat of self-confidencor (which alsays stamps the great mind) displayed by $n$ correspondent in your last namber. His modesty and courtesy has induced mo to reply to a portion of his romarks. Ho spenks of "indifforence and contompt" being shown by tho publio toward the profession, and uses the terms "clildish and bigoted," as applying to the estimation in which medical mon aro regarded. This is mero nonsense. Evory roflecting man is awaro that the members of our own, as well as the otbor professions, aro judged on their merite. Tho most skilful and experienced is he whoso services aro in tho greatest domand, as a consequence, with very fow exceptions, the ablest man is the most successful. I bavo little doubt that tho public would find thomselpes in a in a dreadfal dilomma, if your correspondent would withdraw,
for the shortest ano, has waluable sursies. If he rongh find it in his heart to bu thas merctless, I feel quite satisfied that "the andiferenco and contempt," nuw shown him, "uull treedily ranish, as the causo fur it wumld no longer remain

Ho asks, "what medical mon were consulted, whon tho Homocopatho and Eiclectic buands were authurized, ' ic. In answor to thes, fermit mo to state that I know as a fact, tho proposals in cunnoction with the inithation of this measur came from gontlemon of the samo school as your correspondent These gontlemen were nut sought after by the lidecties, hat volemarily camo to them, to do what was cumbidureti a matior of just, co to an important sec:inn of the protession. The Ontario Medical Aet, embodyint an its dotails the agreement arrived at, by representatives of both benties as woll as the Homocopathists, is considered to wo who and liberal in ats provisions, and as cm:nently ethsfactory to the majority of the profession. I are not aware that gour correspondent was cungalect, hur do I think it way at .I' necessary that his tavorable opinion, much less his consont, bo cobtasned, befuro the Legislatise Assombly of the Provance should dare phaco it on tho statato books, as the law of tho land. This fact may neceunt for tho displeasuro of so eminont a practationor, so high an wuthority in tho modical world as Wm. Uldright. Gras ted, these guntlemen possessed the toowledgo, pationco, cue.g!, and or $j$ necesstry requirement to form a proper costimato of thoir dutiss and responsibilities, theg must stitt have lacked rumo of the qualities secmingly possessed by this soifintroduced Sulon, whe now lectures with so much authority on the subject. Ho thinks it wrong that "students hevo now to bo exammed by the proprictor of the Victoria Wine Bitters and threo uther Ecloctics and IIomoopaths" And pray sir, why not? Aro Ecloctics and Homocopatbs to bo barred from all prwaleges for the exclusive bonufit of Allopaths? This would be nether wiso nor just. I am sir, a graduato of tho Univorsity of Victoria College, as woll as the Central Medical College of Now York, and although classed by your correspondont, as having no other rights than as a momber of tho Electic section, stall I thank theso sufficieat to entitle mo to tho position I now occupy.

So far as iho Victurin Wino Bittors are conceracd, I havo te anform your conrespondont, that I am not the proprietor of that
article, but tho insentor of it. In that connection, I may stato that I know it to be more serviecable than ndultorated whakey, bad brandy, or any compound uf methy lated spirit, sume one of whinh articles is nten prese cilled tw the great detriment of thoso whe use it If Dr. Oldright dues nuthing moro to affect his professional reputatiun, than give to the country "The Vatoria Wine 1 etters," he would be able to court an incestisation with anoro surecss than, I think, ho can do at presont. Truly yours,

G. A. Carson.

Whitby, 23rd March, 1871.
(Th tho Ellitot of tho Caness Larect)
Sin,--Permit me, through juar pass, to onter my protest against the abusc whith Dr Strango haties of his uffice as Registrar On the I assing of the last act, I apphed to Dr. Grant, and, at his suggeation, wrote tu Dr. Strange, who ruluested me to send my license, \&c. Aceordingly I enctosed it to him, whth cortificate from the Reere, and five dullars, tho proper fee then.

I have not heard from this Dr Strange-well named-from that time to this, though I haso repeatedly written to hun.

I hase the registry certificate fro $n$ the post office, and a letter from the post oflice authurities, curtuty ing that my tetter containing the license was dolivered.

Now lot mo ask yot, as a confrero, is this decorous treatment ? is it ovon honest?

Should those who elected him desire to provade for a hurdessomo acquaintance, let mo suggest sumo uther phace, where he can be provided fur at public expense, and sparo those, who base not too much, in our honoraule profession.

> Yours, with respect, Georae C. Arlwis, M.C.P.S., C.E.

Jeno, Onslow P. O., Fol. 28, 1871.

Aprontment of Coronors.-Dr. Jones, of Port Perry, Dr Lovett, of Ayr, and Dr. Joseph Carbert, of Orangevillo, have been appointed Assuciato Coronors for the respective countics in Thicin thoy reside.

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# A Monthly Journal of Hedreal and Surgical Science, 

Lisued Promptiy on the First of cvery 2fonth.




TORONTO, APMIL 1, 1871.

## MEDICAL REPRISENTATIUN IN FARLLAMENT

As the result of the late olechons fun medical gentlemen bare been roturned for tho folluwisis culnatituencies

Dr. Baxter, ILaldimand.
" Boulter, North LI:stings.
"Wilson, Jast Elgin.
" Clarke, North Xorfolk.
We are glad to see so goud a resresentation of the medieal profusston, and from what wo hoow of theso gentlernen we fell satisfied that they will not only guard tho interests of the profossion in the 2ranaico, but will be a credit to the Huuse of which thoy form a part.

While wo : aut that in the interests of the country at largo tho best men should too chosen, irrespective of their profession, and that elass representation, hike class legislation, is wrong, wo cannot but feel gratified to think that the noble profession to which we belong is, as it should be, fairly represented in tho halls of our local legislaturo.

Thore is no class so largely represented as the profession of law, and there is no class better qualified for the discharge of thoso duties peculiar to tho house than lawyers, mon who haro mado legislation a study, and wero it not for this circumstance tho large proportion of ropresontatices from this class would be vers injurions to the welfare of the state. There is almays tho danger of a reaction when any indivadual or class runs to extrence, especially on matiers of pubide interest, and this may enme to be the caso with the legal prufiesion, but there is very littlo danger of such a calamity beiablug the inemburs of the medial profession.

## original parers.

In consequence of the lebrth of sume of the original communications in the present numbot wo have been obliged to withhold nome very important urigthal mather wheln will appear in the noxt insue During tho past month wo' vo recenved some most excellobit pratic.d papor, on varivus medical subjects, and weranriot but eapres our cabreme gratidicatom at this most farorablo indication Sume of tiso aro oxceenatigy woll written and reflect no small credit ull tiedir respectro authors. They will also conmare faronally what tho medieal heterature of older countries Conatry practuvile.s who have long drases oror bad moda, as a general role, have much less tumo and opportunty for the preparation of medical parars than city practitionors, but so far they have farmshed mure matorial for the columns of the Lancet than their mure higily farused confreres in the eitnes. Sereral origiual artules that appeared an tho Luncet have been copied into British and Amentan Medical Jumrnals, among which may be mentivied an artule ull • traumauc totanus," by Dr. Lougheed oi Bright, an inwrestunir paper by Dr. Constantinides of Toronto, on a peluliar caso of malformation, and one somermat similar to the latter reported by Dr. Uzziel Ugdon of Toronto.

## IUNATER vs. OGDEN.

In this caso, it will be rumonbered, a verdect tor 3500 ras retarned at the Fall Assizes in ths: city, aganst tho dofendant, for an alleged breach of cuntrast, ho haring dechned to romain at plaintiff's house, where, on lis srrival, ho fuand another physician in attendance The case being appealed to the Court of Qpeen's Bench, the verdiel was reducul tw ono shilling, and each party orderel to pay his own costs, thus rohering tho defondant of all costs but his own counsel fecs.

This ease, with sereral uther, recany beforo tho Courts of this: Prorinen, show how furtunate it is, that an intelligent and enlightoned judi. iary inhervene, betweoth var anfortunate profession, and an ignorant, prejuliced and partizan jury.

## THE MEDICAL DFRARTMENT OF THINITY COLLEGE.

We stated in the last number of the Jancet that the Medical Department of Trants College would shortly be reorganized By refercneo to our adyertisiog columens our readers will eec that this is now an accomphashed fuct. Wo are gratufied to hoow that the newls reconstructed department is caturely froc from any restriction lisely to diminish either its prosperity or its influence.

The Facults as mill be secn, is composed of well-known medical teachers, whose names wili be the best guarantee the profession and the pablic can hase as to tho future charaster and conduct of the sehool.

The Medical Lepartment furmerly enjujed a very high reputation at home and abroad, and the authuritues of Triaity College bare donewell in choosing a most auspicions time for its reorganization, and in effecting it tu a manoer so liberal as to place its full sucecss bejond peradrenture.

Ner and commodious buildings wall be crected during the coming summer in the ummedate nicinity of the Torunto General Hospital, and every arrangement will be made fur the benefit and convenience of stadents in attendance.

The announcomeat, givingo full details will be issued in due tirne, and will, we hare no doubt, frum its liberality and comprechensirencss, be emancatly satisfactory to thoso ioterested, and especially to thosewho hase the welfare and prosperity of Trinity College at heart.

## ST. THOMAS' HOSPITAL, LONDON, ENGLAND:

Dr. Legros, Clark, has beon appointed somor surgeon instead of Dr. Solly, who has resigned.

Dr. Solly was a candidato for the presidency of tho Rogal Collego of surgeons, tut was defeated by Sir Wm. Ferguson, who mas choson to fill that post of honor. II also expectod to bo mado Sir. Samael Solly thas foar, lut somothing occurrod to prevent his olcvation to this rank. IIc has given up his hoase in Savillo row, and it is roported tha: he has had a stroko of paralysis

It is said that misfortunes never eume singly, and this would appear to be true in the caso of poor Solly.

Mr Leibreich has been unamonously olected by tho authornties of St 'Thomas' Hospital, as ophthalmic lecturer at that institution, and as ophthalmic surgeon to the hosprtal.
'The friends of St. Thumas' Hospital may weli congratulate themeelves on the appointment of une so talented and omment in his profession as Dr. Leibreich.

## PROFESSORLAL CHANGES.

The following gentlemea have resigned their respective chairs during the past month.
: Norman Bethunc, M D., F. R. C. S., F.dan., Prof. Principles and Practice of Medicine, Vetoria Umsersity, J. Fulton, M.D., M. R C S I IR C P, London, Prof Physology and Lecturer an Sanitary Science, Victoria University, J. Algernon, Temple, M.D, M R.C K., Englaad, Lecturer on Madical Dragoosis and Pathology, Victoria TViversity, and Arch. E. Malloch, B. A., M.D, Glasgow, Denionstrator of Anatomy, and Lecturer on Sargical Anatomy, Victoria Cnversity, W B. Gosko, M. D., FR CS, Edin, L R CP, Irondon, Leetarer on Cluseal Medieine, Toronto School of Medicine.

The above named gentlemen wero subsequently appointed on the medical staff of Trinity College, the anaouncement of which will be fuund in another column of the "Lancet."

## NEW MEDICAL SCHOOL IN 3YONTREAL.

A now Medical Schuol has been established an Montreal, and bas obtainod from the Lonnorvillo Unubrsity tho privitego of granting dogrees, dic. The chars send their occupants are somowhat as follows - Medicino, Dr Devad, Surgery, Dr. Hingston, Midwifery, Dr Smallwoud, Institutes of Medicme, Dr. l?. W. Campboll, Materia Medica, Dr. Treahulme. Other appuintments havo not yot beon decided.

This is the third Medical School in Montreal, and from the well known repufation of the gentlemen who composo tho staff thas far appointed, we havo crery reason to belose that it will be a success, and will cunstitute a furmudabio rival to McGut College.

## MeGIIL COLLEGE EXAMINATIOAS.

The lectures of the Medeal Cullege of MeGill University closed on the 17 th of March, aded the pramary eamainations in tho Facuity of Meduato commenced un the 20th. The fullowing -students passed, viz.-A. D. Blachaduer, Branifurl, J. IN IIamilton, 'Loronto, II. I. Copeland, St. Catharines, Gev II. Christic, Lachute, W. J. Sharp, Simeve, W. E. Waugh, London, A P Mallory, Cobourg, Mamulton, Allan, Osgovide, Robert Ifoward, St. John's, Thos. Kelly, Durham, D. C. Crain. Almonte, Lienry Ilotheringth, Diklsun, A Wagner, Dickin son's Landing, W. E. Nicoll, St. Mary's, Jas T. Munro, IIawkesbury, P. J. McLarea, Lanakh, Z. Ilebert, Montreal, Arthar C. Brown, Nubtreal, B. A. and Julh Morrison, Hantingdon.

In tho primary uxammationt the prize was gained by Thomas Kelly, Durham, H. Allan, of Oeguve, being second

Tho following geatlomen passed for the degree of M D.C M. -Lowis II. II. Beaudry, Sl. Pio, A. J. Cattanach, Forgus, F J. Davignon, St. Mathias, James Duncan, Port Dovor, M Gandner, Hespelor, C. F. A. Loche, Barric, Thomas C JicConkoy, Barro, F. H. Matehell, Lundun, Fraak Warren, Whitby, II. P. Wright, Ottawa, R. A. Stesenson, Cayuga, A W. Marston, Hull, Georgo W. Majur, B. A., Montreal. Wallace Clark, B A., Montreal, ©. McKay Freuman, Miton, Nora Sectia, Thomas G. Johnson, Sarnia, Wm. G. Rusis, London, Menry R Brissett, Chambly, John A. Matheson, Embru, C. J. Rattray, Cornwall, R. A. Aloxander, Stony Creek, Gudeon M. Duncan, Bathurst, N. B. , John R. Hamiltur, Stratford, Juhn A. Read, St John's, Nowtoundiand, Aloxander D. Blakkader, B.A., Montreal, Lewis G. Hunt, Halifax, N. S., Thomas D. Reed, Muntrcal, John Duncan, Port Dover.

We haro just reconed a cupy of the pruceedings of tho Third Annual Meetugt of the Canadam Medual Assuciation, and are requested to saly that copes are in the hands of Dr. H. If Wrught, of this caty, for all the medical practitioners of Ontario who can obtan thom by writiog and ululusiug postage Wo mill havo somothing to say, th a future amber, on tho modest Bill accompanying the proceedings.

## EASY METMOD OF BED MAKING LN FRACTURES.

Dr E D Worthington, of Sherbruoke, Quebec, in the February
 and easy method of bed making in fractures. The contrivance is Fery casy of application, and as it is somethi., uerr and oraginal, we gose the description in full, and would recommend at as a useful and agemons arrangement for the purpose fur which it is atended. His apparatus is as follows:-
"Fight pieres of piec-sis of them being each thrty nehes in "length, four in breadth, aud threc-cights of an ach in thickness"The other two are three in breadth, three-quarters of an toch in "thickuess, and the length of an ordinary bedstead, the conds and "elges of them all being rounded, and perfectly smooth.
"When everything is ready I pass the short pucecs separately "under the patient from side to side, at regular intervals from the "bead to the feet-say one at the heel, the calf of the leg, the middle "of the thighs, the hips, small of the back, and shoulders. The loog "pieces are then carcfully inserted under the ends of the short preces. "The anparatus is put together in a minute, and one person at each "corner lifts the patient steadily on this temporary streteher. The "bed underneath is arranged in two manutes more, without tho least "feeling of discomfort to the paticnt. In this was my patient has "been moved erery day for the last two weeks. As-her bedstead is "rather low, two ends of the long side pieces are lifted so as to rest apon "the headboard, and a couple of hassochs support the lower eads unthl "the process of bed makitz, \&c., is completed.
"In all the stretchers I have seen used, the patieot had to be "lifted upon them, while in this plan the streteher is made uoder the " patient As a matter of safety the four corners may be secured by "a pin or serem, but the weight of the patient, and a hitto care on the "part of the attendants, render this unnecessary in a suck roont.
"It is sometimes difficult for nurses to pass the bed pan well "noiler a patient, but by adopting the abore suggestion ether the bed "pao or ordinary ' utensil,' accurdiug to the pecultar notions ot anvalids "oo this delicatc subject, may be used without risk of makiog the "sufferer a victim of misplaced confidence.
"In conclusion, I beliese that for 'field ase,' the abore put "toyether in sets, with a rooden pin to be dropped in a holo at-cach "eorner, would be cheaper, moru profitabie, add an every respect better "than the present army stretcher."

## meeting of the mbdical council.

The noxt anmal meoting of the Medical Cotucil will take place in Turunte at rivert on Tuestay the Gin of Junc nuext. Last gear the meturg was held at at carher dato, but the rains and mud mado it sery unpeas,ut. $A$, there is mothiug vory urgent at presont, at has beon deomed adrisablu to wat thatit tho phensant weather in June.

In this cubatection wo hato becu requestid to shate that any
 Council, whll pleaso writo hio Presdent, Dr. Brunse, Proscott, and he will see that it is properly attended to.

## hoyons.

At a meeting of tho Siew Brunswat Medan Society, St. Johns, held on the 4th day of January, 18:1, Edwagl M. Hodder, Esq., II.D., F. R. C. S., England, Toruntu, was duly elected an bonorary momber.

Dr. Bayakd, President.

Dr. Aelison;
Secretary.

## QUEEN'S COLLEGE-FLNAL EXAMLLATIUN FOR M D.

The following gortlemen passed thein fual craminations for the degree of M.D., at the examination of the lloyal College of Physicians and Surgeuns.-Gerald Bernard, Eiswuod Chaffey, Dr. W. P. Day, A. C. Farbarn, N. B. Gillies, Kenneth Gunsolus, Wra. Higonlutham, W. R. Muuston, Edmard-Kidd, Jas. Lafforty, Jas. Nowell, J. A. Vanallan, and Dr. Youne.

## OBITUARY NOTICES.

Wo regret to announco tho death of var esteomed fellow citizen and brother practitionur Juha Bruwn Mr. D., who died of consumption un Tuestay tho .th ult., is tho 36th yeat of his ago. ILs funcral tuok platu on tho luth. from bis lato residenco on (eueen Streel, and was dargely attonded. The deecesed was a member of St. John's Ludge, NO. 75 A. F. and A. ML., of this eity ${ }^{2}$
and also of Corenant Luise Nu. j2, I. O. O.F.,B. C., a respectablo number of whese members juined the pieutessiun. Dr. Bruwn was a graduate of Yictorn Culluge and has been patachig with marked sace ess in this city fur sovoral years. He leaves a largo circle of acquaintances to mourn lus untumely loso.

In London, Ont., John T. Farrell, M. D., on the 22nd of February, of cotonitio, after a short, hitsevere illacss. The deceased was a bery promising, and rising Hember of tho pro. fession, aud well sersed in dh the detato of medical and surgeat. practice He was a graduale of dueeno Cullege, Juarstun, and also of the Caisersity of Now lurh. He ultaned the provinctal license in 1861, and pratiocl fur some tho an Dunsiblio, bint sabsequently remuved to Inhunt, Ont., whero he dedat an earig age, mach respected by the profosson, and much regretted by a largo circle of friends and acquaintances.

## MEETING OF THE JLELICAL PROFESSION OF TORONTO.

A meeting of medical mon was hold, pursuant to nutiee, at the Mechanics Inotitute on Wedussuay crontar, the oth ult., at which the fyllowing gentlomen wuru presert.-Drs. Allan, Burrett, Beaumont, Bethane, Barrick, Buchan, Cannff, Cassidy, Cooke (England), Fulton, (as repurter fur the Lutrect), Gerkie, Hodler, Lawlur, Lizars, Maluch, Mallan, MLFarlane, Oldright, Ross, Reeve, Rusoburgh, Thorkurn, Wright, H. II., Wright, G., and some others.

Dr. Beaumont was called tu the charr, and briefly exphaned the objects of the mocting.

The following resujutions woro then moved by varous gentlemen prescot:-

1st That this mecting is ot uphaun that tho medical profession should alisays be consulted ju mathers wheh are made the subject of modical legistation. Aud thas wo beherg to bo for the interest of the public, as well as of vumblises, masmuch as evorything which tends tu thu advancoment of the protession will always benofit the public at largo.-Carxid.

2nd. That iu view of tho exsting state of nedical affars in the Province of Oatario, we boluse at to to the daty of every
modical man to uso hats afluctico with candidatey for parlimion. tary honvurs darang tho preselth crisis, su do to efful animprute. mont in medical legislation.-Carriod.

3rel. That wo will nut suphort any canddate who will not agreo wo mentify the daw uador which the professiun of Ontariv is at present aterporated, at least su fat its lo britso its Cumail and Examanarg Buard atu cunformaty with the jrovaions of the cuatomplated Medical Act fur the Duminivin of Canada. - Curried.
thit. That wo further urgo upou medicol men the desirability of requestang candadates to adrucato a ropeal of the Ontario Medical Act, which untes as wath persums binwa as Ifomeo. paths and Eclectics. Carricd on a division.

A commatteo was then rppmated to ate effel to theso reso* lutions, and to report at a future meoting.

## TORONTO HOSPITAL REXORTS.

service of dr. canniff.
(Reqortal by 3ir. 7. T. Abbott, Clinical Clers.)
DISLOCATION OF HEAD OF RADIUS BACKWARDG.
Wm. M., aged 25, native of England, admitted December 7th, 1870. Thas miterestang case had beon sech befure admission, by a physician, and as tho symptoms wore sumemhat obscite, a diagnosis had nul been made, but at was surmised that a fracture of the olecranon prucess had taken place. Afler deliburate oxamanation of the arm, there was no difficulty in arriving at the conclasion that the ayury was an instance of the unfrequent dislocation of tho hoad of the radus backwards. Sulscyuently, upon examining Mamilion on this furm of dislocations, it was found that the symptoms of the caso in hatad wore such as described by himi. Mamaton yuestavis wheller this itajury 60 often eceure as has been recurded, alluugh the maniler is not great. In this case, reduction of tho dislucation nud the speedy recovery of the pationt, suppiorts dic ate racy of the symptoms whech were present. But, usuquestutably, the anatumical construction of the parts precludes an vasy displacement of the radius backwards.

There wis sumio uncertanty as to the causo of the accident, as the man was mivinated at ho timo he sustained the injury;
but, no far as could he gathured, be had, when in tho act of fall. ing, soizel hoht of sumething tu save hameelf. By tho means the arm had probably lew mach tivisted, whie the musciea were in a state of comparat... relasation from alechol.

An attemp" was made to reduco by fleanon, as woll as by oxtebsion, at the samu time pessing tho head of the bone. Failng in this, tho jatient tecened dhorotum, ater wheh redueri ' was easily efected. Tho arm was placed an a sling. Thref lage after, upun canabation, the arm was buad well, amd could bo oasify moved ia any direction.

## dislochtion into the dillide, lfft side.

Janis $S$, aged 50, hatiro of England, occupation, hostler. Fell upun the ico in fthli a way as tu displace the head of tho humerus Dr Canniff was called in consaltation, and admmestord, hloruform, whito tho dislunation was reduced by Dr. May. The man lived in the country, and it was neariy twenty-four hours afier the accident before idaction was mado. During that time he had suflered mach paas, whoh was atributed to prossuro up,n the brathial ploxits. Tho reduction was readhly effected.

Threo days after (22nd Jamuary, 1871,) ho was admetted into the Muspital, when it was fund that the o was partal paraIysis of the arm, from the mjury sustaned by the brachal ploxas, the ulnar nervo leing less affected than tho wthers derived from that plesus. By frictina and use, wath that. nux rom, and latterly the battery, tho man is sluwly regamog the use of the arm.

## DISLOCITInN OF HLJERLS-THREF MOXTHS LURATLUNー GN゙SLC cessful attemit at reduction.

Ellen F, aged 18, nativo of England, admutted 19h Dec., 1870 This was a stout wuman, wath a guxd deal of tassuo overJying the parts involved in the disturation. But tho head of tho hooe rould to felt anturior to the curacond process. Several atfempts were male to reduce, but whent entroly succeeding. The patient luing fully uider the influence of chatorufurm, and assiated by Dis Bethune, Bowell, Malloch and where, the pullies wree applied, and coftamed as lung and wah as much furce as elare bo used The first uperation had tho effect of briuging the bead of the bene intu diuso rulatuviship, whth the.glenond
eavity. Athough tho subequont effirts to comphetely reduco falled, tho patent has recensed much bencfit. Wheth admitted, sho had no use of the atm, but how she can bing the band to the top of tho head. Passito thothon was hept up, and she has been anstructed to use tho limb, with this cesult The ubstade to the reduction wheh has not been overcome, may not be fulty determined. Tho adhestons seemed tu be eatirely bruhtn up at the tume of operation, the action of the muscles was overcome by the chlorofurm and the extensiun. Probably the capsular ligament had been ruptured, so as to permit tho head to slip through, which was thon caught as a bution in a button hofe TWO CASES UF DISLOLATIUN IN THE ASILLA-FXTERNE PATIENTS

Both men of mudde age. The first, who was brought by Ur. Fisher, of 'Soronte, was a strong muscular math, and he had to bo fully othorized befuro the reduction was effected, which was done by placing the heel in the axilla, and extension being mado by assistants. Tho second case was easily reduced, with out chloroform, in the same manner as the first.
fracturi of the shast of tile bight femir and left gJBUSA.
'Shomas II., aged 28, Canada, ndmitted June 21, 18 i1. Whalo engaged in superintendis; the razing of an old brick building, tho chamney foll upon ham, almost burying him beneath the bricks. But fortunately a ladder had falion upon him in such a way as to protect his body from fatal injury. He recoived soveral bruses and a fracture of the fibula, but the main injury was the fracture of the fomur a little below the middle The fracture was shightly obliquo from before lackward. Ife was conveged to tho hospital, and a fow hours lator the limb was put up. A long splint from the axilla would have been proferred. but one so lung not being ammediately available, a shorter one, oxtonding, howewer, from about firo inches above the crest of the iltum was employed. A great object secured by the long splant is the fixture, so to speak, of the body and the fractural limb, thereby preventang motion. Extension was made ky means of adhesse straps applied to either side of the leg from the knee, and sufficienily lung tw be passed throngh a foot board attached to the straight sphint, and tied. The countor extension was effectod by a porineal bandage fastoned to tho upper end of
the splint Throo shurt splints wero apphed to the thigl, one in front, one belind, and une at the aner side. Whou tho whole was adjusted it. sas found that the hamb, compared wath its follow, was in a natural position. The tollowang day found tho man comfirtable and tho limb in goud condaton. Subsequentiy, in consequonce of excoriation at the permaum, a $1^{\text {milly }}$ and weght at the foot was substitated for perineal bandago. Tho foot of the bed was raised to the oxtent of eight inches, and the upper end of tho long splint was attached to tho body by bandage. No untoward symptom presented itself, and at the end of six weeks 'the splints were removed. Provisional callus upon the posterioraspect of the bone was found to bo abundant, but the limb ras matural in its general appearanco. A starch bandage was applied and tho pationt removed to his home. Ho has been seon sinco that time, and now, on the 20th of March ho as able to got about on crutches. The limb is looking woll.

The fracture of the fibula did not require much attention. By pressure behind, the fragmunts wore brought into place, and the leg was made comfortablo by an elevated position.

## CASE OF FRACTURE OF THE NECK OF THE FEMUR-INTRA-CAPSULAR.

Peter $\mathbf{R}$, aged 67, native of Ireland, admitted 10 th of Fob. 1871. A feeblo bodied man met with an acerdent a fortnight beforn admission, hy falling heavily upon the ground striking upon the nates The pernerm was much brused and diffused inflammation followed Abscesses formed and discharge continues. Ho was ontirely helpless, not boing ablu to move the lefllog. Upan oxamination, the prinerpal defurmaty was fuund to consist in shortening of the limb to tho extont of an theh and $a$ half. Crepitus could be felt upon floxing the thigh. The limb was placed in a comfortable position on the duable inchned plane. A fow days after it was noticed that the limb had become shortened to the extent of three inches, and that the tiochaoter major was prominent and much highor up than natural. A pully and woight was attached to tho limb, but tho pateent was unablo to bear the confinoment. The limb was thon placed in a McIntyro splint and made fast This dogree of confinement the pationt has been able to endure.

It is no uncommon thing for the shortuning, which is itmited at first, in intra-capsular fracture to becomo greator from the etretrhing of the capsular ligiment. Of course whon the fracture is completely within the ligament, the hope of ussific anton must bo limited, but in this caso it is hoped that the tracture is obliquo and that a portion of the uppor fragmont is attached to the capsular ligamont so as to obtain a better arterial supply.

## scleftell grtirlas.

LUBLLATLD ATRA-CTERLNE FIBROID TUMOR SLCCESSFULIN REMOTED.



(Cumbun ention tu the Socict), and read veth 4, tivic.)
Mrs. S—— B——, thirty-six yeurs of age, married, and tho mother of two chadran, tho yolliger of whom was born cicien years


Appearanco anemic, mach delilitated, stomach irritable, with seareely any appette, and freyactit nausea. Doning the last diuc scars she has been subject to coprous henurrluges, agorarated at the men strual periods, fur which she has been attended by surern' physicians, without much beocfit.

Un examination, per caginatm, tho uterus was found considerably enlarged, the sound passed four ond ono-half ioches. She was told that it would be neeessary to diate the womb, in order to ascertain the prectse nature of her disease, zad, fur seceater cuurenience of access' she took up her restlence with a marricd sister in tho adjoining torn of Wakefield.

A sponge tent was readily inscrted on Thursdag, July 21st, allowed to reman firc huurs, and a secund tent ioserted, which was remosed nest murning. On account of the extremo heat of tho Feather, and the near approach of her neenstrual flum, nothing more was attempted till Friday, July 29th, when a third tent mas inserted, remored after fire hours, and replaced Ly an extra large sponge tent, whech was allowed to reman what wolht. On its remosal, the presence of a iolsulated fibruas tamur, attachad to the body of the uterus, and especially to the postenor wall und fundus, could bo distinetly felt

The patuent and her hueband were uformed of tho state of affairs, and a consultation recommended, to which they chacrfully conseoted. Dr. I1. IR Storer, of Bustun, Niss consulted, and agreed to visit and operate, if thought adrisabie, on the fulluming Tuesday (August 20d). He was notorkanacly preyented from attending by personal sickoess. Dr. Sultisan, of Mhalden, Drs. Sterens and Brown of Stoncham, and Dr. Abboth, of Wabefeld, were prescit. The patient was fully etberized; a spenge tent, whelh had been put is on the precediog erening, removed, and a porsion of the athachmut broben up by the figgers and seissors. Several atteupts wete tha wade to pass the chain of 20
ecrasear around the base of the tumor, but, on account of the narrow apace and the firmest part of attachment being at tho fundus, sithout suceess. The patient had now been three hours on tho table, during which time she oceasionalls required strong stimulonts, and although rery little blood had been lost (less than two ounces), a majority of the surgeons present were of opinion that it would not be adrisabto to proeced with the operation that das. So have done so would hare necessitated slitting up the eersis on both sides, a step sometimes followed by profuse hetnorrloge, and the patient could not afford to lose much moro blood.

Sho rallied mell, and passed a good night.
A week hater, Tuesday, Aug. 3th, at cleren o'clock a.m., the patient ras again etherized, in the presence of Drs. Storer, Sullivan, Abbott and lbrown The cersis was thoroughly dilated by means of a rubber bag, filled with water, but it soon contracted agan. The ecrrix was then partially incised by Dr. Storer, and an unsuccessful attempt made to pass the chain of an ecrascur around the tumor.

At this stage, Dr. Cutter, of Woburn, arrived, and also mado a similarly unsuccessful attempt to pass the chasi. IIo had fortunately brought with him a new instrument, capable of beiog attached to the laro ceraseur, for operativg in deep eavities. It consists of a fiattened brass tube, eight inches long, three and one-sixteenth inches broad, and poo-sixteenth inch thick. The tubu is soldered to a round put, which serews on to the socket, into which the branches also fit. Anacaled iron wire is cmployed as the cutting agent. The tube was bent so as to form the are of a circlo with a radius of six inness. An oval loop of nire was formed, one and onellalf inches long and one anch short dameter, and passsed into the uterus by the side of the gromth, the loop mas then expanded nod pased over the tumor wath the and of the tube, figer, and a blunt-coded sponge-holder. Traction mas made, the fager following the wire, until the section was completed.

After the tumor had been thus detached, at could not be remored from the uterus, on account of its bulk, being nearly as large as the Gist, until cut iato three pieces by Dr. Cutter's apparatus. Even then it was with great difficulty and the application of much force, that Ur. Storer finally succeeded in "delivering" the tro larger sections.

During this operation, which lasted fully three hours, stumulants rete oceacionally administered, but sho ralhed from the anosthetic (Squibbs' ether) eren better than on the provious trat. The urine - Wis drapn off by catheter at fire and cight o'clock p.m., at eleven p.m.
sho passed rater voluatarily, nor did the catheter requiro to be us al agano. No untorard symptoms of any importanco occurred during recorery. Her appetite gradually improved, and within tro weeks after the operation she ras able to bo moved to her mother's house in Lyonfield ia distance of threo miles), for consenience of nursing, and in less than four weeks later returned to her own houso in Pcabody.

The after-treatment ivas exceedingly simply. Washes of weak carbolic aced ( $f$ g graing to the pint of water), alternating with the :solution of permanganate of potase, wero employed to remore disch riges from the ragina, the odor from which was never very offensive. Iodized ohare onl ras used externally over the chest, and syrup of the hypophosphites of lime and eoda given intereally.

About fipo recks after tho operation the menstrual flow set in, and lasted nearly fire dags. The sterus, which had been much prolapsed, has returned to ats normal position, and the incisions in tho cervix have healed.

In sereral respects, this caso is remarkable. Prof. Klob, of Vicona, says that the lobulated saicty of fibroid polypus is rare. But the prinetpal interest eentres round the method employed for the first time in this.case to detach the growth. When operations are necessarily conducted in narrore cavities, it is of the highest importance to have the iustruments as small as posible. That Dr. Cutter's flattened tube possesses the adrantages of compactness. combined mith the requisite strength, was elearly shown in this caso by the successful result. Most surgeons who have used Chassaigoac's ceraseur will admit that the "biaks or lisots formed by the chain are annoriog to the operator, and often foil him in efferting his purpose To obriste this very difficulty, Dr J Marion Sims invented a complicated addition to the ecraseur, called a portechaine, which in other haods has failed, and is now l. $d$ astude as impracticable. This listle instrumont of Dr. Cutter's, origioally intended for operations in the throat, answers so admurably for certan uterine tumors that it secens impossible to simplify it further.

It may be added that the rapid recorers, unc,mplirated with bad symptoms, was greatly helped by the cheerful courage of tho paticot herse and the careful Dursing of an iotelligent mother--Gynccological Journal.

## BOOK NOTICES.

Medical and Suraical Reroats, Boston City II esta', iddted by J. Nelson Dorliud, 'I.D., and David W. (I a Pat: ished by Little, Brown \& Co.
This volune contand upwards of 600 pages of reading matter, and several illustrations of excisions, skin diseases, \&c. If presents a large amount of valuable atatustical information in reforence to the diseases treated in this hospital, covering ${ }^{3}$ period of fivo years, such as pneumonia, acute rhoumatism, typhos and typhoid fovers.

Jn looking oser the article on Excision of Jonts, wo find that the elbow was excisedten times-for caries, four times; and for compound fractures, six times. Tho ratio of mortality was twonty per cent, but a very markeu difference oxists in favor of oxcision for disease Of theso nono died, whilo of traumatic excisions one-third were fatal, and one-half of them required amputation subsequent to excision. Tho ansucecssful cases were, hovever, complicated with sluaghing nad dehrum tremens.

Tho wrist was excised once for caries. All tho bones woro removed, oxcept the trapezium. The caso did rery woll, but the patient ultimatoly died of uremia.

The hip joint was oxcised eleren timos-nine children and two ndults, seven survived, and four died, including both adults. The oparation of excision is rarely ever successful, if porformed antor paberty.

In the article on Pneumonia, it aypars that 190 cases wore treated in the last fise years. Tho greater portion of theso cases were treated by tho plan set furth by Dr. Bonaett: milk and beef tea with wine whey, to the extent of from six to twelve ounces -of sherry wino daily External applications havo been used in many casos, by envelopiog tho part affected by a " jacket poultice" of fax-seed meal, and kopt warm. Tho results wore as follows of the 107 uncomplicated cases, 95 wero discharged trell, 2 rolieved, and 10 died, or ono to overy 10 and $1-7$ th cases.

300 eases of acuto rheumatism wero treated, of theso 125 here under puroly alkaline treatmont, and 18 of these dereloped cardiac diseases of the heart during therr stay at tho hospital, 13 endocnrdal, and 5 pericardial. Tho averago stay at tho hospital of those under alkaline treatmont was 24 days, from this, one week may bo dedueted for tho period of convalosconce.

175 cases woro treated by tne non-alkahne plan, such as olchicum, opium, syrup of limu, bhisters. \&c., of these, 18 mowed symptoms of cardiae dise:ase, and the averago stay in thi hospital was $35 \mathrm{~d} y \mathrm{~s}$, from wheh one week may also bo dedacted. These figurey seom to faven the plan of Dr. Fuller.

Wo commend ${ }^{\text {n }}$ attentive perusal of this volume to our professional brethren.

How to Make Money.-Sed to the Amoricaa Publishing Companv, lutland, Vt, for their beautitul Specimen Book, and mato ten dollars the urst day you show the book. Read thom advertisem nt in anothor colamn, concerning the Parlor Album, - àd you whll get full particulars.

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## WINES FOR MEDICAL USE.

It iss a fact not generally huown that in order to ensure a good wholesome wiuc, at is not necessary to pay an exorbitant price, additis equally true that it is must difficult to ubtan any wine mithout adolteration or admasture of sparsts, wither of which is prejudicial to its medicimal effect.

The establishment of Quetton St Gcorge \& Co was openeal is Toronto, in June, 1869 , to mect this difficulty, and to supply wiocs wheh can be warranted abolutcly fure, it irices approximatiog at near as possible to their enost at the plice of growsh

The sentor partocr, Mr St lieutre, a gentleman well known in Canada, where he has reseded fir many yuars, la ad been in the habis of importing for humedf and for sume of thin fiends the wrine of bis ons vincyards of Eecugaran near Vhentall $r$, ill the Snuth of France, and
 were appreciated and the deare that was shewn to obtain a larger supply, he determand upon gonde eatemanaly into the busidess for whel his large famuly cumection in the prine-pal wine gromiog distrets of France and span, and has intimute lofal knosledge of iboca countries and their producte, gave him spectal facilities lie bse made arrangements in a mamber of chuice rineyards for the stipment of wines, wheh are sent to hos firm is Taronto, thus saring beat expenses on the other sudt, and ensuring their arrival withont adn]. teration, and at extremely moderate prices, oring to the small cost of the wine at the smeyards aud the suving of interisediate profits and cba.ges.

Quetton St. George \& Co would especally call attention to the wines of Roussillon, which possess the tonic and astringent qualities of the Oporto wancs, without the adulteration which has trecome so get. erally practused in that district, as tn make "Port" the desigoation of a compouod which is far remosed from being the pure juice of the grape. The lloussilton ports range in price from one dollar per galloo upmards

The Alicato also is reary deficious in flaver and has been largels recommeoded by their medical friends

They have also a great rarety of Sherries, including some of bet fiacst brands in $>$ pata, and in addition to the foregoing and others descriptions of Prench and Spanish growth, they import Germas, Sicilian and Madeira rines

Uring to the diffeculty of procuring a genuine Brandy. which cas be rehed upon as beng purn grape sprit. they hase imported, cepecially for medical use, a white brandy of Languedoc, distilled from wiots setected by Mr st tieorge humseif for the purpose, and which they cia therefore recommend with confidenee to the ficulty

For prices and full partuculars, they refor to their printed circular, which wall be sent free by prost to any desired address.

