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## 'fII E

# CANADA LANCET, <br> A MONTIILY JOURNAS, OF <br> <br> MEDICAL AND SURGICAL SCIENCE. 

 <br> <br> MEDICAL AND SURGICAL SCIENCE.}
Yor. IV. MARCH, 1872. No 7.

## (0) riginal Communtations.

PIENONENA OF LIFE MANTAINED AND CONTROLLED BY TWO AN'RGONTSTIC PRINCIEfES OV INAERVATION.
(Continucd from April Number, 1871.)


The design of a medical journal is not only to disseminate practical information among the members of the profession, but to creato at the same time a desire for scientific investigation. To accomplish this double object a generous criticism is an indisponsable requisito. To allow all tho productions of correspondenta to go unchallonged is, in a measure, to tacitly aequicseo in thoir correctess, and thus, possibly, in somo instances, to misload the inexperionced. In this respeet, the roport of "Barbarous trontmont by a Midrifo" desorves a passing notice. Tho propriety of tho courso adopted by the medical attendants is rathor moro than questionable. Iurning is alvays formidable,
involving a mortality to mothers of ono in fourtcon; while chloroform, when the pationt was nlrendy "nearly unconseious," greatly increased the danger without in tho leaw factitating tho indiented operation. Tho child being dead begond doubt, prompt ovisceration and delivery with the enotehet would havo afforded to the mother tho greatert pesuble chanco for life. Reports without posit morfem oxaminations aro uneatisfuctory, it not absolutely valucless. The true cause of death in this caso most over retnain a doubt. Was thero injury or parial ruptoro of the uterus, enu-d by tarning, or was the system too enfeobled to be ablo to rally fully from the anosthotic state? Cortainly the "gotting up," however reprebedsible, is seareely suffient alono to account for "fatal collapse, or the formation of clote in tho heart."

In the April No. of the Lancet the author of "Phenomona of Lifo" solicited a critical examinntion; but neither tho l¿ditor, himself a respectablo author and an eminent tencher of physiology, nor any ono of his learned correspondents has, as got, deigned to notico the zubject. Saroly tho gnestion, though omanating from an obseure source, ought to bo corsidered suff. ciently important to the advaneement of medical sciunce to morit a caroful investigation. So deep ad univereal has boen the impression that a beneficent Croator, who bas assigned dofinite laws for the government of tho universe, would not have lunt man, tbe only portion on which ho has stamped the divine image, to the operations of mero chance, that philosophem, in overy age bave invented theories designed to explain the "animating principle." The hypothotic "Entity" of Aristotle, and the "Mfateria Vita" of Muntor, with all intermediate shades of conjectures, aim at explaining vital action by some mystorious agent, which is in a measure, independent of the organism itself. It is ovidont that an organic system, to be perfect, must contain within itsolf some principle of action capable of maintaining and regulating its oporations, and as orery pieco of mechanism from the Great Architcet bears tie impress of perfection, we must consider the vis vito an insojarablo part of the boing. What philosophers sought for in vain, physiologists explored the haman systom to discover, and men of seienco ardently desired to know, is found, as might haro been oxpected, in the simplo arrangement of tho two neryons systoms, admirably adapted to prestdo over organio
functions. Who author claim ano greater morit than hating possozed disernmont enough to diweoter and gather up, materiala ready tociaed by tho great masters, and strewn broadeant ovor tho panets of medical literature, which, liko the blocke for Solomon's tomple though hewn and polinhed in distant regions, irhon brought together, fit cumpletely into a structure of beauty and symmetry.
'Chus the experiments of lernand, which havo been fully confirmed by nubecquent inventigators, prose to an abvolute certainty tho exnstenco of a law of antagonistic inocruation presiding ovor capillary fumetion. Extirpation of the superior cervical ganglion produces instantancous congestion of the corre-ponding sido of the face, with consequent augmentation of temperature, while destracton of tho fith nerve induces exsanguination and consequent diminution of tomperaturo. Now, it is phain from theso restutes that the sympathetic centres contrace the capillaries, and that th sentient nerves must contain nervo fibres apecially ondowed with the power ot dilating theso vexsole, and that the syatems of ecotres normally form an equilitriom of action commensurate with the due performance of organic function. It is ako proved $t$, oxperiments more than sufficiently numerous, that the two systems possess very different dogrees of suscoptibility, whilo the cerobro-spinal aystem responds to the least poestblo impressivo influence, tho ganglionic only obeys an intensified action, but when ones fully imprased, tho action is far moro forciblo and prolonged. Neceseacily thon, an impulso is first folt by the moro susceptible, which aro tho capilary dilators, and if an exaltant impression the vesels expand, but if a depressant, thoy contract, the ganglionic contracting force remainiug unchanged till the impress becones sufficiontly intenso to exalt or depress their dyamic power, when, their action boing moro persisent and energotic, orereomes that of thoir antagonists, and produces partul or completo occlusion of the capillaries, or sinks moro rapidly from a depresant iufuonee, learing the antagonistic dilating innervation unbalaned, and consequently theso vesols becomo ororywhere oxpanded. Theso phenomesia are manifested in all nutritise, therapeutic and morbific inflaonees. Tho contact of food with sontient ramafications in the nuwou membrane of the stwmach produces an exattant impression on the nerious centres presiding orer the capillaries
which farnioh the giotra glatado with tho chenouts from which
 increased redacos, and tho gastio jaicu lughs to Run. All the rapoutic influcho io vilhor cathathi ve cuphes.ath. Tho charac teristic phomemona of eath we fuidy desuibed ata ito firstarticle on tho "Plethometa uflaf," aud, thelefule, heed nut be horo repeated, bat mushaf achulb, buag alladys duprssant, and com sequoatly watath to hiv, deymes furthen shatrationi. Thi first influenco of morlific achous hallang ua the suinshite dilaturs, the capillarics are necessardy coniratad by the unb:lanced furce of tho ganglionic centros, and as heat is principally gencrated in
 results, hence the anifursat sensation of culducs, less or more sovere, which ashers in overy deswasu. A coabatiug illustration of the operation of the law sis iurnished an the agmplumb of con cussion. The pationt is pale, coid and shivering, and if tho shock to soraro enough to indaco comphie unlasion of the cerobral capillarios, the functions of the oucowriamare saspended
 with unerring precisiut to the cumparalivo gufluence - "the two antagonistic nerivus contrex, tho vesacho of the iris Lelisg contracted, aro correspundity diminishing the size of the puphl. Bat when the depressing force of the shouk reahes and ochis duwa ganglivnic isuerration to a lovel with its antagunistic fusce, thu brais builio again sup. plied by bloud, cotiocivayouss returns, but sibudd tha dej, ressing influence cuntanue ganghubic exhaustivn, the aphearame of the phenomona is diamutac.illy changul, the suifue buwming red, hot and perspiring, whilo insensibility gradually cumas as tho inspiring influenco of tho cerolual gauglia diminishes, the neurometer inda atitig ito tho enganded paped tha dup, Lased state of the ganglivisic furw wall hio cunsequotit phepudetanco of
 od, animation aecessurily wases.

The phenomena of fover also assume their appropriato place in the dumonsiranan of thio unarersal las. All morlific digtincies capablo of topresting the hortuns centres wath the wer tial characturisticis of Fover aul as diruct depressants. Thus is manifestly truo firum the feelatig of depressivit th tho furmitis stago, and the prostastion thruagtiout tho distase. It is whiliy ancon-
ceivabio how mon of great atcellect cuadd ever bavo entertaned an opiaion that rital action is protermaturally onalted ati athy diseasu, and, therufuro, sequired to bo dupressed. The aflacow of oxaltants is indosponsably necessary to tho mathemanco of animal oxistence. In fact, tho human nystem is a manaturo
 bydrugen and uxjgen sh the esact propurtun requated for tho productiva of alculivi, whath to to be ased up at die gerachation of hoat. Monce, the umsersai appohte among ald raves of mon for stimulanls, whilo dopressamt alluence, beat harmatal to hifo, is intuitivoly dreaded and, at pusobble, avorded.

The recoption of murlitic agonts thte the systom at first roduces dilatiog norvolus furw, and, at in shock, miduces the inovitallo chill, the culd stago lastang till the zg motic pranciplo sonds duwn wutrachug anervanua wa loved wath tho datanig, Whon the system grablaliy regwis sts atcustomed warmeth, but ganglionic furco, descondatig bolow that of the antagotats, leaves dilating annurvation uabalaticed, tho caphiaries aro ditated and tho surface overy whero assumes a hy pormote appearanco. Circulation and rospration bemg athereased by the protemataral sapply of bluod to tho urgans prestuing over theso funcuons, a greator quantity of biudd, in a given timo must pass thruugh the lungs, aad muro oxygen absorbed than mormaity, and as tho amount of hoat ovoleced st aiways in propuruon to the quantity of oxygon cunsumed, at uleration of temperature san anowablo result. In miermatente, deudeuly the madest typo of iover, the hut stago ss saceeded by the swe:atheg, ill wheh the masm
 the fall dorviopment of anothes patongsm, and the lourth of time roquired w depress dilating atherration sufficiontiy to ta-
 dians leing always muro suburu tham turthans or quartatis. It es
 mission equal to tho first will bo requared for tho dorclupnont of oach succecding paroxysm



 while ia tho laitor tide dopressive afluonco is guacrai. Whon
the capillaries aro rolaxed an any particular part, a dotermination of blood is, an ubedience to a hydrodjnamic law, an inevitable result. Tho vessols having lust their wnicity by greally diminashed, of not susperuded gateglivaic intacration, lecome gorged wath blowd, and the patas prastit the chathelisistic phenumena of mammanon, ' path, radness, heat, teasiunand swelling " The vessels becumang ithuthated from eacessice exparasion, soon allow exudatoon, wath uitantato disurganization. The ductrine that inflammation arises fium the "irriha.ion of a stimulue" bas $\mathrm{l}_{\mathrm{ed}}$ to an error an practice fatal to mahions. The very term 'irr:
 phenomena producat by the apphation of an irritant prove encontestably the depressant athure of the ampression When applied to the web of a trug's fivet, or the tramparent mesentery, and vowed with a mucuscupe, tho vesocle aro seen to contract and the surtace bucunce pate, but ats suon ay the impalse depresses the gramgiouac furco buluw as antagunist, the wessels oxpand and anactue state of wigestion ensues

Nuw it is obident if the te the law, and suctessful refutation is challenged, that tho only therapatic agent capable of con trecting courostion ts an walltaut. Nuthing herein asserted is required to do tahen as proved until it is contirmed by actual application. W3 have eottled the question of treatment to our oucn satisfaction, aud unly ash whers to fairly do the same for thembelves. In our cwn practice, as well as in that of our former associato, the lato Dr. Lloyd, every case of pneumonia or plouries when seen and treated in its incipient stage, has been subdued within forty-cight hours by tho administration of a poworial exaliant; whilo in that of a neighbouring practitioner, a regular Rup Van Winklo, who has beon asleep for the labt balf conturg, and nows still swears by the lancet as the sine qua non of successful treatmont, patients bled ind deliquium, lio in articulo mortis for several weeks, and too onen succumb to the conemrent depression of art and nature $\Lambda$ satollite of this great ort of past agos bled a man wh had sunken into insensibitity in a church, till the patient actually oxpired under the operation. Some practitioners ahere with such tenacity to old projudiecs that they absolutoly refuse to investigatc any now principle It is said "cumparisuss are uliutu," but thoy are nerertheless valuablo as ovidences of buccess. In a case which was takon as a test, 2
blackomuh had mjured the palm of his hond, and the whole oxtrematy, ia a fuw huars, becamo vory much swollen, redlened, and oxinucatitgly panotul. We ordered puiv. opat, grs. va to bo tahon at onte, hev fth year stadents wathed the phegress. Tlu patical sova became partally harcotized, and remamed an a a stak of nomi ancolletubences jur ught hours. The redness and buchung hagan to disuppear isteduaily, and when no awoko the arm appeared perfecily casangumake, hur did mitamanation over re-aphat in the least. Thas caso fumbhesconvationg proof of the chatacher of mflamation and of the hature of tio countoractiog obeat roquired. A peroun minensibly maxicatied is pale
 lary ouciusua, eongestion io 1 physical anpossibiticy. Wo offer with gacal difflurice to the prutession, these prouls of the eatstonce of a gehoral law whith ammates and controls satai action, trastiog wafifentatly to the unpartad jadgonent of lateral and intellygentjul ges. Thogreen-ey ed projudices ut thedaje of Harsoy and Jenner aro happily pase furuv ur, we may, heruture, bo assured
 unly as ano oxterasion of the first, and any revow should bo of boil. Is any one prepared to delend the mascular hy pothesis of the aris, and phatusophatily explan thereby the nwdus operand of the aran phenomund? Has any one tested the truth of our experimeats on tho capaision of arteras? ? Is thero nu champion ready to couch his lance in dofonco of the ductrine " sumila similitus curantur ${ }^{2 \prime}$

## THE SELF RETAINLNG RLEXIBLE CATIETER.

## by Kelly andison, m.d., farmersvilite.

Havang lately seen in your valuablo journal reference to the sabject of retaning the catheter in the bladder, I most respectfuliy sulmat to your readers, with your pormission, the method which I hare adopted for a number of years past to effect that purpose, and with the most batistactory results.

I taise a cummon flexable catheter, and with a pen-knifo, or a heakd ware, mako soveral small perturations in it mathin the space of about threo anches ot the point whech is to reman in
tho bladder. I then arm a common sowing needlo with a piceo of eaddlor's silk thread, and making a small knot on tho ond, I pass tho necdle through the oyo of the catheter and out at its point, drawing tho threal nut to the knot. I noxt incert the necdle into the upper or mubic surface of the eatheter, (if I may so say) about $3 \frac{1}{2}$ inches from ite point. and with the assistance of a piece of wire, draw tho needlo and thread through tho insite of the romaining portion of tho cathoter to the ivory ring. Threo and $s$ half inches of the thread aro thus outsido of the cathoter, and the end of the remainder hanga out at the ivory ring. I now insert tho wiro stilet which bolongs to the catheter into it, and baving giren the instrumont tho ordinary bend, and warmed the portion which is to enter the bladder in wator at blood hoat, I pass it into the bladdor. Withdrawing tho stulet $3 \frac{1}{2}$ inches, I soizo the ond of my thread and pull gently upon it, thus causing the portion of the cathoter with in the bladdor to assume the form of a circle having the diamoter of ono inch. The thread being fastencd to tho ivory ring, tho stilet is now completoly withdrawn, and tho eatheter is provented from falligg out by that part which is in the bladdder boing bent into a circle. I usually find no diffeculty in romoving the instrument; by tristing the thread around the stilet, tho knot will be disongaged and the instrument may bo removed in the ordiary way:


THE FIEXIBLE CATHETER AS IT APPEASS IN TAT: ILADDER.
Tho circular bond of the flosible eatheter, as abore, may also bo attained by inserting threo inchos of tho most curvod portions of two old watch springs (which may bo obtained gratuitously from tho nearest wateh-maker), through the cyo of tho cathoter. By putting the instrument in water at blood licat, and withdrawing tho stilet, tho cathetor, self-acting, will form the required circle. By ro-insorting tho stilot, tho bend in the catheter will bo sufficiently removed to admit of tho withdraral of the instrumont.

A surgeon is called upon to go a dozen miles to visit a patient who has been suffering extromo pain for many hours from retention of urino; peradventuro ho bas been tampored with, in rain
offorts to rolicere him ho has aiready lost ounces of blood; he has a false pasaago; the surgeon camot risit him again for a number of days, and thero is no ono into whoso bande ho may bo intrusted; is it not something to havo a method at command upon shich the smrgeon can depond to continue relief to him for a number of days in ancecssion, or even a week, with entiro conffenco that there will bo no slipping of tho instrument. no matter what position the patient may ansume, er in w'sat meaure be may exert himeelf?

Again, we see in the hospital somo poor follow lying on his back, with a card at his head annoaneing a wound of the porinermm. Ho lans beea thoro for weoks, perhaps months. When the viniting surgeon comes along, we discover an upright metallic eatheter lound to his body with numerous appliances. For him to turn to ono side or tho other will be aecompanied with pain, to sit up in bed or walk a step will be at the risk of tho slipping of the instrument out of the bladder, and the contracted biadder rests upon the point of the instrument. Will not the selfretaining flexible eatheter, which will not necessitate absoluto rest, but allow of bedily motion without inconvenience or risk, bo a comfort in auch it case?

## GANGRENE OF THE LUNG.

ny w. s. Christoe, M.D., FLESIMR;ON, ONT.

As affections of this kind aro very rare, I am induced to publivh an account of the following interesting caso.--

Mrs C, at. 30, Multipara, was attacked with premature labor on the 14 th of December last. Post partum Tiemorrhago was the cause of my being called. Whicn I arrived I found my pationt blanched from loss of blood The ordinary means of cold to the vulva and a good dose of ergot soon arrested the hemorrhace, and left her tolorably comfortable under the circumstances. On the 1Gth, however, I found hor in great fever ${ }_{i}$ setting in after a longthy shivering fit. My diagnosis was Wcid, and I treated her accordingly. During the swoating stage sho indiscreotly exposed herself, and the result was a fearful attack of pleuro-pneumonia of the left lung. Pleurisy was
easily discosored, but tho preumonia was vory insidious and obscure at first; the signs, however, soon became appareat,-tho characteristio sputa and chest symptoms placed tho diagnosia boyond doubt. My pationt boing already dobnhtated, antiphiogistics wero out of the question. Tho stimninting methat of troatment was the one I adopted. Ammonia in excess was administered freely, undor which the acuto stage soon gaso may, and nothing romained apparontly but oxhaustion and hepatization. Evory thing promised success; but I was again doomed to disappointment, for bronchitis in tho right lung beeame quito prominont. Ronchus and sibilant rales were present, renderiug rospiration difficult in the extromo. I pushed the samo class of romedies with a sirm hand, until onco more I bogan to anticipato a favorablo issue; pulse was reduced to 84, and sho was enabled to chango her position in bed, whech for weeks had been principally on the left side.

From this point gangreno of the loft lung began to manifest itsolf. The expectoration increased, with occassonal vomiting and diarrhoca; tho fotor was horribly offensive, and tho patient almost in a stato of collapso. My prognosis was certain death, and that, too, very shortly. Remembering the advice of furmor days-" nover give up"-1 ordered sumulante, wine and brandy, and gare hor tho hypophosphitos of soda and lime, aiternating with tho following mixture:-


Sig. -One teaspoonful in wator overy six hours.
On tho 2lst of January her caso becamo alarming ; I asted for a consultation, and on the following day my esteomed friond, Dr. Gunn, from Durham, camo down. Our diagnosis and prognosis were identieal. A distinet cavity was located low down, posteriorly in the inferior tobe of the left lang, the superior lobo still hopatized. Tho treatment from this porut was much the samo: tho quinino was increased to two-gram doses; stımulants woro likerriso incroased,-oight ounces of brandy was ordered in the twenty-four hours, with egg,-wine with ordinary drink
ad libitum. Tho quinino, howerer, disturbed tho stomach, and it was reduced to the former doso. During tho Dr.'s visit, ono of her worst fils of coughing occurred, with excesive oxpectora. tion; the fotor was so ubnoxious, we could searcely roman in tho room. I continued my visits to her, and pushed the remedics, but, I confess, with feeble hopes. On the 3 nd inst. I mas called in groat hasto to seo her, some other complication was said to have sot in, and sho was in severo pain. I should not have beon disappointed to have found her dead, dhe, howorer, oniz had come bearing-down pains,-nature, probably, tryiog to restoro tho catamonia I mado a pretty poneral cxanumation, and for tho first timo pronounced hor convalescent, pulso lower and faller, hepatization much diminiched, sputa clanged, and fetor gone. This announcomont sorved hor as a wondoriul insugorating tonic, for on February 9th she twok a short drive,-contrary, however, to sound judgmont. Tho lattor treatmont was a simplo cough mixture, with the ryrup of the hypophosphites, and a tonic composed chiofly of tho lactato of iron, undor which sho is mapdly improzing.

Remarks. - First. This case shoses evidently that curcumacribed gangreno is not necessarily fatal-nutwhthatanding tho dark pieturo usually drawn by the books. It is our duty to porsovero and hope against hope.

Second. Tho symptoms might havo been given, in extenso, but it would only bo a repetition of what has beon written over and ovor again. In this case the sputa seomed to bo tho most charseteristic. Dr. Aitkio says the fetor resombles that of newly made lime; and, so far as my recollection goes, he is correct,Whon the sputa is moderato and is spat in masees, but whon those cavities aro empticd by vomiting, and the scro-purulont greonishlike fluid-mixel with small pellots of gangrenous lung- to the extent of oight or ton ounces, tho edor of newly. mado lime is pleasant in comiarison. The odor re, in reality, sui gencris.

Third. I am convinecd hor persistent desubitus on tho left sido very materinlly favored this state of the lung-the carculation already enfeobled-gravitation would ualy hasten completo engorgomont and congestion, as sonuotimes occurs in low fovers, and consequent death of the part, the primary matories morbi, of courso, boing the causo.

Fourth. Thiz caso furthermoro domonstrates-that is if our dingnosis to correct-that eavities in tho lung will heal, corroiorating statemente, by the lato Dr. Rolph and othere,-proved by eicatrices having been found in the lungs of subjects in post mortem examinations.

Fifth. Another point might be mentioned,-the length of timo elapsing betweon tho hopatization and the oviderce of gan. grone, I presume, abont two weeks. It is quito reasonable to suppose that it existed some time boforo evidencing itself, and that as eoon as softening took place, and expectoration commencod, the secret becamo known.

Tho completo sucecss of this vory interesting, yot complicated case, has taught mo nover to despair, but to diligontly push remedies to the last. But for this sho had died, and furthor testimony sould haro beon added to tho fatality of gangrened lung.

## CASE OF CATATEASY.

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BY S. f. CORNELL, TOT.EDO, ONT.
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I desiro a small space in your valuablo journal for the purposo of recording a caso which may prove interesting to some of the young practitioners who aro now ensaging upon their professional duties, and who hinve not had the opportunitice of witnessing all tho mystorious phenomena pertaining to the nervous eystem so cominon to bo met rith in the sick room.

This ense, however, is a little out of the common order-ono of its lind-that may be ranked as somowhat extreme,-unusual to eny the least.

On the 20 th of Jantary last I was called to wait upon Mrr. H., adjacent to Frankville, Leeds Co., aet. 20, in her sccond confinement. The process of labor was of an ordinary charactor, the pationt greatly dreading each euccessive pain, which was, as she described it, "intolerable to bo borno." I found, upon digital examination, the cerve uteri much swollen and teodor,-the os uteri extremely sensitivo and rigid. Prior to confinemont sho gave evidonco of vague unoasiadss for about oight weeks, passing vory sleopless nights; restless; troubled dreams; thoughts of impending dissolution; "a giolding up of
nil earlhly ties;" "a desiro to depart and rest with the saints," to uso her own language. She, for tho most part of tho sime, felt "as though she neither had any friends nor foc:,"

I was consulted nbout threo weels, beforo her accouehement, found her unablo to exert hemelf, as being on her feet tended to aggramato her distuess and inerease her horrou-nes. I ordored her to take some pills, compeod of anatuetda and iron at night, and valcrianated elsir of ammona throush thoday; to use light diet and keep off her feet :ct much as possible. Under this treatment her sleep wats of longer duration, aud not as mitch disturted with frightful dreama or imaginery uvils, So passer: away the time until her accondement.

The the 45 hour atter lador wre passed quito well, but at thi, timu sho experienced a surere chall which !asted over an hour, fullowed $\mathrm{b}_{\mathrm{y}}$ a abarp tebrule movezent; pain and tonderness felt tuptu presure orer tho tuerus, accompanied with slight fympanitis. Tho chest sounds wero clear, except over tho lower low of the loft lung, which gato evidence of hepatation. The lochia was suppresed, the urine seanty and high co.ured. There mas some delisium, the pheo lis, tongue haniso a light creamy coating. Mustard siangisms were ondered oror the uterine regon, lower lovo of letf lung, and to the feet; a brisk cathartic was given, compoved of the compound atomatic cassia pomder, followed in two hours with an enema containing ol. tercbinthat. After the aprient action of the medicine was over, she wat placed under the following treatment :-puls. ifecuce ot opii comp. in suitablo medicinal dosen, alternated with tr. veratrom viride. Saw the pathent next day,-palso 130 ; febrilo movement abating; patuent peapring freely, not so mach ferderness orer the uterus as on the former day, breathing not so rapid or laborions; some cough, attended rith exproctoration of rusty sputa; lochia stll suppresed; no secretion of milk; thust great, and appetito wanting; oceasionally some deliriam. Orderce continuation of medicine and uso of onomata, containince ol. terobinthinco; sinapisass to bo ronewed, followed by warm poultices of pulv ulmus fulva; gave beef tea, and occasionally a glas of port wine, lemonade, de.

On the 25 th saw pationt again,-more tranquil; no delirium; not much thirst, skin a litllo abore normal tomperature; pubo 08; local tendernces subsiding, lochin slightly appearing; no
secretion of milk; cough light, and expectoration mucus. Patient bas had but little sleep; ordered an onema of milk of asafoetida and ol. terebinthine; discontinued the veratrum viride, but continued the Dover's porder with Asclepin, wine, beef ter, lemonade, \&c.

26th. Tound patient much better; pulse 84 ; rested quito well ; felt an appetite; no cougb to speak of; lochia profuse; some pain in each mamma; no milk; some tenderness orer the uterus; withheld all former medicine; used an enema as before; sidered vaginal injections, of warm mucilage, containing a small quantity of carbolic acid; gave beef tea and port wino once in eight hours; as a tonic, the following,-elixir valcrianate of ammonia, and syrup. ferriphos. strych. et quine. à̂ 5 ij ., Pro dosis,--a teaspoonful once in four hours.

27th. Pulse 78; patient tranquil ; a little milk in each breast; no abnormal thirst; soreness everywhere abating; has a desire for food; was allowed coffec, beaf-steal, and toast; tonic continued, and also the wine; continued the raginal wash; lochia yot profuse.

2Sth. Patient much improved; pulse 73; rested well ; feels a desire for food; copious secretion of mills; lochia still profuse; feels weak, but in good spirits; ordered continuation of treatment, and took my leave of patient.

Now comes the sequel. The patient passed the next 48 hours most beautifully, except on the night of the 30th she could not sleep; otherwise the nurse thought she was doing extremely well. A peculiar change was soon discovered taking place with the patient; her acuteness of hearing was extremely great; could hear and reiterate the sentiments of persons in the adjoining room, who conversch, as they declared to me, in a low whisper, and that they conceived it impossible for a perkon to hear $:$. word whispered six feet from them; yet this palient, at a distance of twenty fect or more, with closed door, could tell the sentiments exchanged. This was done several times, and finally the patient called her husband to her, kissed him; then called her littlo boy three years old and her infant, kissed them, and then bid her friends adicu. This proceduro of my patient awoke a deep interest in the minds of the nurse and friends, who now became alarmed. The nurse persuaded the friends to leare the room to her and the patient, as she thought after a little Mris'.
II. would fall into a repose ; but instead of sleep our patient lay specchless and motionless, with eyes staring wide open, no signs of respiration; they opened her aroth to soe if she would swallow, but in vain, her lower jaw remaining depressed as tho nurso had left it. Attempts wero now made to arouse her by calling loudly in her car, but to which she paid no attention. They thought her dead, and that it was useless to send for medical aid; thus passed away twelve hours, when her husband dispatehed a messenger for me. When I arrived and ontered tho room I was shocked to see what struck my fancy to be a waxen figure or a frozen corpse in lien of my former patient. There sho lay with under jaw depressed, eyes staring and wide open, without winking, the pupils a little dilated; skin cool, almost the feel of a corpso before stiffening; pulse 122, feeble, no sign of respiration. In examining the pulse I raised the arm to see if that would cause any diffurence in the pulse. Thero it remained for nearly an hour, when I put it down by her side. There was but slight resistance offered to any change of her limbs or person ; but whatever attitude an limb was placed in, there it remained. I now brought her under jaw up to its place, and it remained. I was importuned to do something for the patient. What to do was, with me, a paramount question. The thought occurred to me that I might administer an enema of strong solution of asafotida, which I did to the amount of a quart; and this was very easily done, as there was not the slightest resistance. Still tho patient lay as lifeless as ever foi: about an hour, when a few slight eonvulsive morements were observed, and she aroused to conscionsness. She looked about her, asked what had been done with her corpse, as it appeared to her that her friends desired her to remain for a scason, but her judgment dictated to her to again depart and take her infant with her. I gave her several doses of asafoctida, fluid extract of valerian, beef tea, die. She now desired to bo left alone, as she said she had an important duty to perform, and the presence of persons, howerer nearly related, was detrimental to her welfarc. She was satisficd for me to remain with her alone, as sho said, "from the days of antiquity, deference had alwajs been paid first to the priest and then to the doctor."

Sho remained quiet for, in all, a period of six hours, taking beef tea, ralcrianate of ammonia, a afutida, and uromide of putas-
sium. Soon she drew the sheet orer hor face, and then placed her arms over her chest, and lay straight in bed; sho lay so quiet and still that I felt induced to remove the sheet, when, as I had foared, I found her in a second trance. (?) Byes wide open, pupils a little dilated, but would contract under the influence of strong light; skin cold-of it deathiiko feol, no rigidity of the muscles; pulse 112; and very foeblo; not the first sign of respiration, no movement of the nostrils. I now lifted her body up to an obtuse angle with hor lower limbs, I next raised one arm and then tho other, and in this position I left her for several minutes. I now stepped back, gazed upon my patient, who, in a semi-sitting posture, with staring eyes, with out-strotched arms, and lifeless appearance, appeared as though a corpse had thus been placed, and left to stiffen. I then laid her down upon the pillow, raised her body up, haring her head on the pillow in the attitude of opisthotonos, and thus she remained ; after a period of twenty minutes, I gave her a slight push, and she fell on her left side with her body still having the same curve. I now straightoned her out in bed, spoke loudly to her several times, but no responso. I again repeated the asafuatida injection, containing ol. terebinthine. To please her friends, I tried several times to have her swallow, but all to no purpose. I held to her nose strong aqua ammonia, which affected her in no pereeptiblo way. In this state she lay about cight hours; when consciousness returned, she related what sho saw while in the other world. This time she was not so composed and tranquil as when she came ont of the first trance. (?) Her symptoms now assumed more the character of Hysteria, her limbs wore affected with convulsive twitchings, and she screamed loudly without giving utterance to any cause for so doing.

When she went into the second slate of mental abeyance, my views were, as soon as consciousress returned, that she should be brought under some powerful anesthetic, whereby her mental state might recuperato. Whether this should be produced ky chloroform, cther, or hydrate of chloral was not fully settled in my mind. I therefore sent for Dr. Addison, of Tarmersville, who arrived just after her imperfect return to consciousness.

It was decided at once to give her hydrate of chloral, of which she took seventy grains in the space of an hour, after which, she fell into a profound sleep, and did not awalsen for twelve
hours. On nrousing sho was tranquil and composed, but felt oxtremely weak. Sho deired to bo lef alune as much as priuble, as the presence of any ono but her nurso gave her emotions of unensiness. She is slowly convaleseng, but hor afectiot aswimes the ordinary character of Molanchotia. She is of sanguine, nervous temperament, nervony predominat, mediam height, fair complexion, and of a somentat apare form.

Nor, Ma. Editor, tras this a genuino ctiso of Catalepsy? I appeal to you, Sit, who as an anthur aud lecturer upon 1'hysmogy, may be able to throw some light upon the aubject of Catatepsis. I havo real tho writitiox of Yoffman, Gooch, Anugenes, Colites, Aurelians, Callen, ath athers, but the tre pathelogy of Catadop. sis yet remans to mo a hidden mystery.

## Srlimall Sltitlts.

 DISLOCATIOS OF TIIE IIIP.Clinic by professon wood, r. r. s., kind's colleul hesidtal, Lospos, Exa.

This was a caso of dislocation, uptrards on to the dorsum ilii, presenting all the characterisuc sytuptoms, wh.., absence of the hollow beneath the trochanter, the head destinctly felt in its now position, shortening of tho limb and inversion, the toes resting on those of tho oplwsito feot, etc. The acerdent occurred thus, a carpot was thrown out of a window, and the man as be was passing by endeavoured to catch it. so as to prevent its falling on his heal, and in doing so ho shpped down on his stele.

Tho man objected to take chlorufurm. Mr. Weod first tried "manipulation," as tho case had happened only two hours previously. Failing in this, tration mas resorted to, the pulfers wero then adjnsted and after a goud dail wirationee anu manauvering, the dislocation was reduced. "Fi "soap" however, was heard, and thero appeared to to a littlo shortoniag, this, howorer was uparcot, not real, and owing probably to spasmodic contraction of the muscles, as by measuroment it was found that the distance from tho anterior supuriur hate aphe to the great trochanter was equi distant on buth sides, and the distaney fiven tho same spine to the outer head of the tibia equ-distant also. The knee and the ankles were tied togother and the patient was carried to bed.

Professor Woot observed, that although manipulation had failed in this instance, it might be attuiuted-list. To tho great maseular derelopment of the man, and 2nd. to has declining to tako choloroform ; still if they had notued the several sutessiro mancurres he had employed, thoy (tho pughl) woald have noticed that they were precesely simata to the operativa he had subsequently performed, minus the addition of the prallogs. That is to s.by, by first employing adduction, then flexion, abduction and rotation outwads, ho hied ondeavoured to untwist or triek tho iliofenoral ligament and to hit of the uperang in the cansalar ligement as you do tho opening bewween the subecapularis sad long head of the triecps in the humerus. This socond part of the manatire is by no means eass, ath hike "chack-fathing," you may havo to repeat the experment, that sto canluy all the mana neres aforesad, befors succecdmg in witumar the had of the bone. What really takes place when yon do succord, is that the prriformis and ghatens manimus beome reliaed, and the head pases between theso, and then through the upeta is in tho capsular lig. ment. In fact a surgeon will best shor hivalility, who when ono plan fands, tries another aud so on, until the orening in tho eapsular ligament is diseorered.

Again you must taiko care bufore yon commence using tho pulloys to see that the axis of the di.phaced limb is in tho line of extension.

Sir Axtley Coper say:, that if you stand the patin.t $u$ p, the shortenine is very apparent. Profenor Wood has noticed that, from the diffenly experteneed by patems with this dwination, to move tho unatieeted limb, ho has nover leen able to stand his patient up. nor does ho sco any possble adwartage by suaty so. Finally, he noticed that many of the miastratuens of hip di location in books, ropresented tho patient as ly:rs on at led whine reduction was takiug place, such drawings aro apt to misicad; tho proper place is on the foor and tho paucht lying on a mat. trass-Med. Pres anl Circular.

Murture of Membranes sia weeks merone deliverx. On October Und, 1871, I was sent for to attend Mri.S. in her conninement. On my arrival I found the membrancs ruptured, the os uteri of the size of a shilling, and the head peretrating. The
pains occurred at intervals of about ten minutes, and were accompanied each timo by a frec discharge of liquor amnii. Mrs. S. was the mother of ten children, and all her previous confincments had been perfectly natural. She was of opinion that she had gone her full time, and believed that labour had commenced. No progress being made during the hour or so I stopped, I told them to send for me when the pains became more serere. As I received no message during the day, I called in the evening, and found $m y$ patient fire trom pain and all signs of labour; the abdomen was notably smaller, and she exprossed herself as easier than she had been for a month. Matters continued much in the same state for the next six weeks; she gradually incereased in size ; and when the abdomen attained a certain dimension, periodic puins ensued, accompanied by a copiuns discharge of liquid, which always gare great relief. Besides those occasional floodings of water, there was a constant daain going on, so that she found it impossible to keep herself dry. At length, on Nor. 15, 1871, labour pains really commenced, and in less than an hour she was delivered of a fine male child, just six weoks after the rupture of the membranes.-S. MI. Bradrey, T. IR. C. S.-British Mred. Journal.

## THE ANTISEPTIC TREATMENT OF WOUNDS.

> BY OILITAY NEWMAN, M.D. LOND., F.R.C.S. ENG.,

You will all, doubtless, litwo seen the seattered notices in the medical journals of the "Antiseptic Treatment of wounds"; and many of you will have read with much interest the admirable Address in Surgery given by Mr. Lister at the annual meeting of our Association in August last. To this novel mode of dealing with wounds I rould invite your chose attention, convineed as I am that the results, so to be obtained, far outweigh any of the usual sequonces of the more ordinary surgical dres-sings-whother they be looked abfiom the ready and successful response to the surgeon's art, or from the safety and comfort so cusured by the anxious patient.

My short summer holiday this year was spent in Edinburg; and to the kind courtesy of Mr. Lister I owe the opportunities of close observation of his treatment in many and severe cases in
his hospital practice. On the lessons thero learned I have based my subsequent surgical work, and on them, too, as a foundation, I renture to speak to-day, bringing forward somo fow eases which hare been under my orm care, and describing, as clearly as I may, the modes of dressing which are employed. Throughout I am bat the humble exponent of the views of a most able surgeon, and my only merit is that of having seen what I attempt to paint.

> "Segrius irritant animos demissa per aures, Quam que sumt oculis subjecta fidelibus

Whether the so-called germ-theory of disease be or be notcorrect, is no part of my purpose to inquire; the process would be simply wearisome and ill-managed. The only postulate I ask you constantly to bear in mind is that, for the suceessful dealing with wounds on antiseptic principles, it is imperative, thoroughly to Exclude the exernal Atmosphere as such; and a most rigid obedience to this requirement can alone command the desired success, whether the air be per se a toxic agent, or whether it be dust-carrying, and so but a vehiclo of those impurities, which determine the occurrence of suppuration in an open wound. It is imperative, in other words, that the air in contact with the exposed portions of a wound shall be fully charged with some convenient disinfectant : so charged, it may be admitted to the wound or cavity without risk to the patient or anxicty to the surgeon.

Taken, then, the simple case of an ordinary absecss, in which immediate incision is needed, the antiseptic treatment must be carkied out as follows. 1. Destroy any putrefactive material about the integument of the part by washing it thoroughly with a lotion of carbolic acid (one p art of the acid in treenty of water), 2. A constant cloud of fine spray must be kept up by an assistant, so managed that the hands of the operator and the part to be incised are always enveloped in the spray: one or more of Richardson's spray-producers may be needed for this purpose. The carbolic acid solution for the spray will be sufficiently strong if - made of one part of the acid to a hundred of water. 3. The Enife employed must first bo dipped in carbolized olive oil (one part of the acid to ten of olive oil). 4. The incision being made, the abscess-carity may; as far as possible, be emptied by gentlo pressure. If any vessels should hare been divided and need a
ligature, it should he tied with sume phopared cartwhized catgut, and bothends of the ligature cut off short. 5. The wound may thus be dressed. a piece of "prutucurv" viled silk, cuated with copal ramish, and then covercd with a layer of dostrime, so ses to retain a littlo of cacbulic acid lotion (ous part to furty of wator) on its surface-cut not mulh larger thath rubad-should bo dipped in the lution just named and then applicd, un this a pad of the antisoptic gauzo must be placed, largo enough to overlap thoroughly tho wound, and not less than oight layers in thickness. Between the seventh and eighth layers, or those mose distant from tho patient's surface, must bo placed a sing layer of maxintosh cluth, so as to prevent dircet suahng of any w..chargo through the gataze covering, and to iusure that any moistare whilh may be puared out shad phas through many antiseptic layers and ofor some willo space beforo it can possibly bo oxposed to the impure influences of a suptic atmusphere. C. For the retention of this curaring in placo, a stry, of the alworenamed muslin (cat to the width of, aud rolled up as, an urdiaary bandage) may bo applicd. The slightly whesivu character given to the muslin will make tho sequiste turns fit very easily, and bo leso liable to displacomont, than the cummon calieo roller. 7. If it be necessary to wait for sume little matter-to replemh the bottle of the spray-producer with the lotion, to chango the assistant, ete.- tho wound slivald be corered wath a peevo of rag, dijpped in a lotion, containing une part of aod in furty of water. This for cuntonience, is hauwn in "a guard." S. Subsequent dres-sings-first every day, then at lunger itatersais-must alwags bo managed in tho samo way. Tho spay will newd to bo unsumittingly kept uf, the fingers whe suaked in the lotion or wetted with the spray, all adhering dischargo carefully washed anay, and tho protection vatsido pad and Ladadige aphed as lwfore. 9. To small uporations, remural of hatnuers, etc., the abroso process is thoroughly apphiciblo. If the wound mado bo deep or tortuuas, a tont of lint-a narrurs strip-dipped in carbolized olise oil)ono part of the rud to ten of vil, matht bo ativiluced before the sutures are inseried. At the end of twelve of tilenty. four hours this tont may bo remosed, it wall havo absurbed tio sorum oozing from tho deeper part of tho wolld, and so havo prevented distonsion of tho deeper parts, and possible furmation of pus. 10. Ia larger operations-e g., amputations-at larger
volume of spray must be secured from two or more of the usual spray-prolucers, or from the apparatus employed by Mr. Listor. [A new spray-producer, which seems likely to be rery effective, has just been sont to me by Mr. Gurdner, surgical instrument maker, South Bridge, Edinburgh.] Sponges should, before using, be dipped in carbolic acid lotion (one to a hundred) : when soiled they must be washed, first in clean water, then in a lotion of one to forty; and then, just before using, in a lotion of one to a hundred. 11. The following cautions may not be ont of place. a. The lotions for spray-producers need very careful filtration before being used. It is exceedingly casy to choke the fine apertures through which the spray is delivered. $p$. Hold the muslinpadding elosely down over the wound until the layers of bandages shall have retained it closely in place ; and learo no channel by which septifacient air may reach the wound, unprotected by several layers of gaaze-bandage. If dressings be loose or displaced, air will soon reach the surface of the wound, and in twelve hours suppuration will bo established. c. Redress so soon as any trace of stain shall have shown itself at the onter edge of the gauze covering. $d$. Sinuses and wounds opening into mucous canals are ill-fitted for thorough antiseptic treatment.

The advantages may be briefly summed up:-1. The dressing is clean, almost inodorus, and singularly painless. 2. The formation of pus as a consequence of the injury, surgical or accidental, is, with due care, prerented. 3. Erysipelas and pyæmia, if not absolutely extinguished, aro very rarely seen. 4. The wounds are free from local irritation, no swelling of incised integument and no local relness are to be noticed. 5. There is no constitutional disturbance (traumatic fover) after even severe operations. The dressings are infrequent, and in themselves free from initating matcrial. 6. The wound heal rapidly.

Cases-1. Abscess in Leg-T. W., aged 10, was admilted July 18th. 1871, with a large abscess in the calf of the right leg. An incision was made under the spray, and antiscptic dressing was employed. No pus was discharged after the first day. The blood-clot filled up the incision, but soon becamie organized. On. July 25 th, he was discharged cured, having been a wee'a under treatment.
11. Abscess in Breast.-E. T., aged IT was admitted Scptomber 12th, with an acute and large abscess in the right breast.

An incision was made September 13th under spray; the dressiag was as abore. No pus was discharged after the first three days. On September 12th, she was discharged cured, having been a week unader treatmont.
inf. Large Chronic Abscess.-J. W., aged 18 was admitted September 12th, 1871. She was the subject of old hip-joint disease on the left side. The limb was shortened an inch or more, and the femur was dislocated upwards and backwards on the dorsum ilii. There was a large fluctuating swelling on the left thigh, fully six inche.s long by four brvad, reaching upwards nearly to the trochanter, downwards below the middle of the thigh. It was first noticed six months previously. On Scptember 13th, chloroform was given, and I mado a free incision into the swelling on antiseptic principles, letting out thirty ounces of fairly hoalthy pus, with shreds of arcolar tissuc. No constitutional disturbance followed. The girl became free from pain, and could at onco cat and slecp. Subsequent drossings were applicd about erery two or three days. Now from an ounce to two ounces of pus are discharged at each dressing. The shreds of tissue are no longer to be noticed. Withiu the last week some small fragments of carious bone have come away, so the abscess is most probably connected with the old bone disease.
iv. Large abscess in Lumbar Region over right Kidney.-W. J., aged 3S, was adnitted October 5th.: $H_{e}$ was much cmaciated, and could not staud upright. He had a swelling in the right lumbar region nearly of the size of a small fotal head. Pulse 120 ; temperature 103 deg. He lad hectic fever, mucin sweating, and loss of appetite. On October 6th, under chloroform, I incised the swelling, evacuating nearly thirty ounces of pus. The dressing was applicd as above described. Pulse 96 ; temperature 98.4 . The hectic never returned, and the man is much better. The back is dressed every two or three days, and about an ounce of pus is discharged. I have had occasion (October 15th) to open also for him a large abscess in the porinaum, due, it would seem, to the urethra givin ${ }_{5}$ may behind a tight stricture; but this wound, through some urine fitturs, could not be suljected to antiseptic dressing.
v. Cnmpoouncl Fracture of Lcfi Tibia-M., aged 12, sustained a severe compound fracture of the left tibia in the upper third on September 10th, 1871. On September 18th I savy him in consultation. Two inches of the tibia were denuded, and there was a deep
round into the calf ecparatiog the museles from the posterior surface of the bone. The round was filled with bleodelotot, which was just begianing to become offensive. I injected some carbolic totion (one in trenty) beneath and into the substance of the elot. 'The limb having been securely fastened on a side splint, tho usual antiseptic dressing mas applicd. A fortnight later, I heard that tho boy mas doing very rell. There mas no pus-fornation to bo seen; no putrefaction; the bloodelot was becoming orginized.
viri. Iracture of Right Eeg at the jimetion of Mudle and Jown Third: Severe Transverse Wround taco inches above the Anhle docn and into the Titia.-W. M., ngod 5.t, mas admitted September Sth, 18i1. IIe mas thrown this morning at 8 o'slock, whea at work rith a reaping-machine. Tho right leg mas scriouslv ibjurch. When he ras eeen at 2 p.M., there vas fouod to be a simple fracture of the tibia at the junction of the middle and lower thirds. There wa's a nound about tro inches abovo the awklejoint, gaping widdly; all the tendons, cte., were divided dorsn to the bone, and the knife of the reaper had made a groore into tho tibia itself. IIc had lost a good deal of blood. Tho limb ras much strollen. The tro points of injury, doubtless, combunicated. There was hardly an inch and a half of clear skin space between them, and pressure above the fractute made blood well from the mound belor. The len was put up in a swing splint; the skia was rashed, aod the sound mopped out with carbolic lotion (one to trenty), and a tent of carbolized olled lint was introduced to the decerest part of the round. The tent mas renored in twentyfour hours. There was large ooziog of bloodstained scrum on the dressings throughout tho first cight or ten days. The man had had no constitutional disturbance. Ife had eaten mest since tho day after admission. IIe needed no sedative, and had very little paia. On 0ctober 4th, frow some want of care in the dressiog, and the consequeat admission of air, a fert drops of pus were notied for the first time,ard small suppuration (never more than half a drachm in tro dags) aftermards continued. On October 23 rd , the wound was all but well, tho fracture was sound. He was ordered to have a starehed bandogo applied.
N. Incision into Knee-Joint.-G. B., aged 23, was admitted August 11th, 1871. He had discaso of the right boee-joint of fifecn montis staudiog. Siace an aecidental slip the symptoms bad beca much aggravated. 'Il:e joint mas much srollen, and ho could not bear the slightest morernent; there mas also much pain on pressure. The
limb had been confined at homo by a long splint, avd a weight, workiog over a pulloy, attneled to the foot; but theso measures had given very, suall relief. Destruction of cortilugo mas, no doubt, going on. Oa August 11th chloroform being given, I made a freo iucision on the ioner side aod parallel to the right patella, lettios out at onec about a tablespoonful of sero-purulent fluid. Antiseptic dressing ras apphied. The interrupted splint and pulloy was reapplied. The relief was immediate; the wau mas at onec able to cat and slecp. No constitutional disturbanee followed. Tho joint soon became smaller. The bloot-clot, which ultimately became organizud, fllled up the iscision, and through the interiot of this ciot for ten days or mare pus slowly oozed. On September 12th, tho mound, which had mot been Besed for the paxt eight days, was norn quite well. On October 5 th, a starched bandige aud p-ste-board supiort was ordered to be apphed to the limb. The patient was allowed to mete ahout ou crutches. On the $20 t h$, he could bear some little weight on the limb, and mas in very fair in health.
xt Incisian into Inne Juiat. R. I., ased 17, was admitted Soptember $1 \mathrm{Cth}, 1 \mathrm{st}$. She had hat for a lond time treaknes in tho left ktee Pain and swelling abeut tho juint came on six meels before admision, since which time she had hept her bed. On admassion, the left hace mas much swollen, fluctuation tras pereeptible, sta shrieked on the slightest movement She hall wat flesh, had no appetite, and could only sleep with laroe duses of opium Un September : Er d, Mr. Endores made an incisiun us the inner side of the putelli, ketting out sero purulent fluid mixed with blowd. The paicut was ueder chloreform. Considerable retief follumed. In tho ur thice days tho appetite ras much improsed These was no cov. litutional disturbance, no redaess around the round, nu pus from the ruad. Oa Uetuber 3rd, the joint was much diminished in size.
Int Olarintomy -S A., aged in, the sulject of marked onarman di:case, was tapped io July $1: 71$, when thirteen pints of fued were re-moved--a solid mass yerainats in the hift ilice fuen. On september 21st, ovariotnmy was perforacd. Carbolic acid spiay was empioyed, and antiseptic dressiag. The palicle which was thin, was tied in tro halves with eatgut, and returacd. On the Suth, is was necessary to break up the adhesion of the luwer part of the round to acliere the distension from contaibed fluid. There was a large cffusion of blood into the lower third of the abdominal carity. No putecfection, howerer, occurred, and no pus formation until a munth
after the op-ration; then it mas supurficial, from aceidental dixphesment of the dresingo. The moman issteadily ricosering.

Mramans.-The tro caso of acute abeess call for hitto remark: one was quite well in a meck; the other in a fortarght, from date of iscision. The cacs of chrodie abseess hate exhibited no sign of constitational ircitution sinee tho erocustion of the contanced matter. Both have becu uuch relieved by tho proesdure; and, as get, without the rist and darges when not uncommenly fulion the amptyiug of late collectives of matter. Loth imtunecs of compernd fructure were so :erere that a form month aso I maght justifially hato thought of on imendiato amputation. In not one particular has there bia in cit'ser case a trace of uneasiness cilter to pation or surgeoa. Tho
 of after trouble, is of do small interest; and oac, if nut theth, of these patients rill probxbly owe thar hmbs to the anterpptic dressiog. Muto than once hare I seen amputation through the thoh fur lese marled states of joiut-destase. In the uranam canc, 1 caita uuthiua in fe than
 into the feritoneal casity, by the drewarg empiuycd. Ind, tro, so far as one siagle edie may be a precedent, this shors alio that the spray
 liniog of tho abdomost casty. Ohher cens haidit wetl have haca added to the hat, but I have chuen these at marhul instonecs of sargical procedure, of out ufrequat veurence, and, I misht truls add, not uncommonily folloricd by tedioarneorerg or by serious aftertroable when the mote wual an:ojesl dre:-inges afe ctaphyed - British Medical dyumat.

## ORGANIC BROMIDES.

Tho succes that has atended tho administration of somo of the inorganic lromides, the potas.jum bromido enpecially, hasled mo in the pats fow months to preserite organd bromiles, and, as the results of the experience have been an many may seatiofatury, I venture to record them. Tho physiological action of hivaido itielf-the cloment-is detimito and well pronoanced. In tho ohd parlanco it is an irritant, bat tho :erm docs not strectly adicato all that it effects. To a certamextent a volat.le body, it pruluces, when it is inhaled, a pecular constricting action in the reseels
which supply the socreting surfaces with their blood, so that inhalation of its diluted vapor makes the mucous surfaces with which it comos in contact dry and painful. After a timo thero is what may be called a reaction, due probably to the temporary paralysis of the vessels, and then there follows a free excretion of fluid, what the older writers would designate aflux or salivation, attended with some degree of local insensibility.

Applied directly, in the liquid form, to the body, and especially to a mucous surface, it acts as a direct destructive of tissuo, not precisely as a caustic, but as a substance which leads to shrinking and slow death, with still more determinate local insensibility.

In combination with other elements, as with potassium, its direct action is modified but not removed. Passing through the tissues in a condition of fine distribution, and probably separating from its ally, it exerts on the nervous matter its special sedative influence, causing, if it bo carried far enough, its direct paralyzing iufluence over the vessels which govern secretion, and leading to a cortain extent to decreased sensibility of the nerves which govern common seusibility.

On the whole, bromine may be considered as a medicine which acts primarily on the sympathetic or organic system of nerres and as a modificr of vascular tension; and this whether it be applied locally and directly, or generally and indirectlyi. e. in combination.

Thus we may rationally administer bromine with any other substance with which it will enter into chemical form of eombination; we may trust to the development of its due independent action without regard to the action of the substance with which it may be combined, and we may be satisfied that it will not materially interfere with the action of the agent with which it has been made to combine.

Bromide of Qúnine.-Bromide of quiniue is formed by subjecting the alkaloid quinia to hydrobromic acid, or by acting on a'salt of the alkaloid with bromide of potassium. The bromide of quinine is soluble, and mixed with a simple syrup, is ready for administration as a medicine. I prefer to employ it as a syrup containing one grain of it in erery fluid drachm. The dose of this syrup is from one to four fiuid drachms.

Bromide of Morphine.-Bromide of morphine is made by $a$ similar process to that used for making bromide of quinine; morphine or a salt of morphine being substituted for quinine or a quinine salt. This compound also makes up best in form of a syrup, and the proparation I prescribe contains an cighth of a grain of bromido of morphine in a fluid drachm of simple syrup. The dose of this syrup is from one to four fluid drachms.

Bromide of Strycinnine.-Bromide of strychnine is made the same way as the two last-named preparations; strychnine or a salt of it, taking the place of quinine or morphine. This, again, I always prescribe as a syrup, one thirty second of a grain of the bromide being contained in one fluid drachm of the simple syrup. The dose of this syrup is from onc to four fluid drachms.

Combinations.-I am in the habit of sometimes combining the preparations named above, in order to suit particular cases of disease. For example, I combine the bromide of quinine and morphine in syrup, so that each fluid drachm of syrup contains a grain of the sallt of quinine, with an eighth of a grain of the salt of morphine, or I combine the three salts, so that the fluid drachm of syrup contains a grain of the quinine, an eighth of a grain of the morphinc, and a thirty-second of a grain of the strychuine salt. Speaking generally of all theso salts, I may state that, in action, the bromide throughout, in so far as its action is indicated, is eliminative and sedative. I am satisfied the bromide of quinine can be administered freely, when quinine itself, or any other salt of it, cannot bo readily tolcrated. 1 am equally clear that the bromide favors the sedative action of morphia, while it, at the same time, allays the astringency which morphia induces; and lastly, I am satisfied, from experiment, that bromide reduces, or rather subdues and prolongs, the action of strychnine on muscular motion.

Notes on Practice.- I havo prescribed bromide of quinine, and the other bromides named, in a large number of cases of diseases, and with results $I$ did not fully expect. I will proceed briefly to indicato the leading facts that hare occurred to me in the course of observation.

Bromide of quinine simply appears to me to be of good service in cases where certain special and persistent symptoms follow upon syphilis. I hardly speale now of the symptoms which
pationta themsolecs connect with that malady, but rather of thoso insidious eymptoms which we, as zueduca' men, who haro lived long enough to havo zeen years of phactice, traco back to a sypiliti. basis, hereditary or acquired. A caso of recuaring Theamatisn of this nature. a caso of recursiug ulcenation of tho fauces, a caso of gencral nervour. cahaustion rith flying pains in limks, lows of appetite, general dobility, loss of hair, and remaining thickoniag enlargement in the groin, a sequenco of bubo; theso haro beon instances in which tho administration of the bromide of quinine, in doses of from two to threc grains three times a day, has been moro immediately and determmately beneficial than any other treatment I have practiced myself, or seen practiced by my brethren of physic, in cuch forms of disease.

Ono great adratatago of the preparation soems to mo to be, that it allows one to give much largor duses of qummo than are common, and in friquent and continucd doses without sotting up tho symptoms of headacke, uppression, and singing in the ears, which make what hats ben called chinchonsm. Thus wo may giye threo grains of bromide of quinine, three times a day, without incunvenionco, tur sereral days, if a smailer dose does not suffico.

I hare an idea that the bromide of quinine might bo admenistered with advantage in the c.rrlier stages of the contagious diseases, such as small-pos. It would, I thank, allay the sorore norvous symptums which usher in these discases, and so moderate tho secondary symptums that fulluw in train. Sinco I began to introduce the bromide itto pratico, I have nut had an opportunity of putting this suggestion to the test, but I have sent somo of the preparation to Mr. Marson of tho Small-pox Mospital, asking him to sive it impartial tral. I have also asked my frend, Dr. Broadbont, to make trial of it, at the Ferer Hospital in all eases of acute febrile disorders. The resulis they obtain I shall hopo to communieate in a futuro number of this journal.

Bromint of Monphane.-Is a asefal aduition to the salts of the alkaluid. It soemy to mo that a smallor duse of the salt than is offective in the caso of tho other morphino salts produces as distinet a narcotic mfluenco, and also that the doso may be refated moro frequontly without prodacing those after effects of an opiato which tell agaiust repetition of administration. For 3
instance, in a cano of extreme depreston of a nervots hitd, attended with deternmate insania, in wheh, ownes to the hoadneise and nau-a it produe w, the muriate ot motphat has been replaced by dbloral hydrate, as the latter remedy hav leen continued until it had hecome hurtinh, I preseribed the Suarth vi a grain of bromide of morphia at bedetime with excollent results, producing sleop without prodnction of nawea or other detressing symptome, Fowwing tery well how apt wo are to ancribe an ofleciency to wew remmerer which leloug to other causes, I pen these iret imprewiotis on the actoth of this bromedo wath all doo reserse. I write, in faet, mainly to secure the targer experionco which will ensto when many acuto obsersers are bringing the samo remely into daily nese.

The Brovibry of Quanse and Monpmaz-In combination constitute a remedy of which in ceves suted for their administration, I ennoot apeate too favorably, Funr classes of diseaso seom to mo to be perintly lenefi"al hy the compound, raz, weatalgio foyer, cerobral irritation, dinbotic phthers, and ostremo acuto attacks of intermitent pulse, the rivit of orgame nervous shock. In acute neurafgia I ndminister a drachan ol the dyrup on brobudo of quinine and morphin so an adule erery two houss until the pain is altogothre removid, and am able to roport not only that pains can be elliectually renoved by it, but that the medrenn oserts no derauyement of the body that lessens its valuo. It calmy pain without inducing deep narcotiom, it interferes fittie with tho sechetions, it rarely catusus namea, and it interferes littlo with the appetite. In the cavo of an estecmed momber of our orn profersion, who has been for tweive monthis under my care, buf: foring from right homiplegia, the most distressing symptom I have had to meot has been intense seiatic nouralgia. After aron of all warectio tonic measures, I found happily in tho bromide of quinme and iron, a remedy which has now for three montis hold him free of all sumering. and, as a consequonce of freedom from pain and Nepepless trearimes, has led to a distinet mprovenent in his general health.

In diabetic phetinis I havo administered who bromdo of quinioe and morphia with the same fredem. Under its influence, in these casex, the quantity of otgar and of flud exereted by the urino notably decreases. cough is reliured, the appetite and digestivo powers are improsed, and recurring hectio is held in
aboyance moro certainly, I thith, than by any other romedy or conbination of remedies with which I am practically conversant.

In a cato of intermitent pube, where tho latere in the heartstrok was pinfully frequent, where there was contathed foverteh resthentes, and a fear of aving to sleep that moro than all
 at unce ander a fow doser of bruade of quaine ard merphin in a manar that was ay gratityine to the prewnder as to the patient. 'Tho purpuse of the incelicine, in a word, was promptly fultilled, and as demundtably as if it had allurdel mechanical intead of therapeutical reliet. In a second ea eut and azonour pulso, where the intermittency iv the prelude of zant mental excitement, followed by dopresion and melanchana, the armedy haveserted a dimilar benoticent uflueute. It induces rest and sleep without the production of deep narcotism and whout doranging digestion.

Tay Bhombe of Strichnine-hay rendercd unquertionable
 control over the vascular supply of tho organs concorned in the proces of digention, in cases of partial urgance nervus paratyois of the ventrical division of the organic hervous aystom. In such cases of disease, and they aro by nu meano ancommon, where, nhen the bods is without foul, thure is a kowwleda of hunger withont the true sense of it, whas there is congestion of the liver, and suppressed secrotion turday, aceumparated by giddiness andirritability and precuadial oppresetub, with diarrhea to-morrow, and thon constipation, in theso cases tho bromido of atrychnino in the propurtien of uno tharty -scentad a gran raay bo giren thre time daily with marl. ad advantage, an alterative being at tore amm time occasionall, added.

In some mised casey of acrova pain, with want of organic nerrous action in the digeotuto orrana, I havo combined the bromide of strychnine wath brumde of yuinate, and in many cases of thas nature I have preseribed the three bromedes with goad results.

Syrup of the bromido of quinine, and strychnine, and syrup of the brogide of quinino, murphine and strychnine, will buth, $I$ believe, becume faverito compuands with tho profestion, finding their place as Eastin's syrup of superpha s hato of iron, quiniae, and atrychnino has found its pince in the !ist oit triculaud approved medicaments.

Ono other print in practice remains to mo only to noto. In cascy where there is murh iryness and irritabinty of tho mucous membrane of the pharyns and haryns, tho bromdes are not commendablo, the hromine inereases the irritation. Thes was so marled in a case where there was asmall nlecrated surfine in the baryux, that I hat th atnp the administration attogether, the smallest dowe producing vinient and long contmued itritatise cough and sparm

Hyniubresir Etmer - Immest other bromides that have medwal qualitios is livdonbromic ether. bromado of othyl$\mathrm{C}, \mathrm{H}_{3} \mathrm{Br}$. This ether is a light volatile liquad made by distilling four parts of powd red hromide of potassium, with fire parts of a misture, consisting of twn parte nf strong sulphuric acd and one of alcobul, haring a boiline point of 104 degrees Fahre, a spectic grasity of 1,400 , and a mpar density of 0.4 , taking hydrogen as unity. It is noarly insoluble in the blood.

This other is of interest, from the fact that the lato Mr. Ňunnely, of Ieede, proposed and used it as a general anosthotic, and came to the conclusion that it was the best and eafest of all known ansesthotic sulstances A fer weoks before his death I had the pleasure of tisiting Mry Summeley and in the courso of our many conversatiuhe on srientifir subjects. he spoke agnin of his oxperieace with the brumide and begered mo to submit it to a far and strict mestigation I bave carried out his wish, and can report upon hydrobromir ether, that it is, as Mr. Ntunneloy sad of at, ono of the safest of general anasthotics. An atmosphere contaning from eight to nine per cent. of the vapor of the bromado of cthyl, causer, when inhaled entive destruction of common sonsitulty, rapidly, and safely The breathing remans tranqui, the pulso quet, the expressinn gnorl ; the transcision from the tirst $w$ tho thind degree of narentism is moreover, so rapid that the second degreo-degree of muscular oxeitement-is scarcelyrecogmazablo. There is no sign of arnoca; and when, in animals, tho inhalation is carried to the cxtreme the resisfanco of the boart to the paralgaing activn of the naron'ic is and ha might be expected from the low builing-point of the ether, 101 degrees Fahr., and its insolubility in the blom, it is rapidly eliminated from tho body whan it has been withdrawn, so that the period of recovery as short, fiom three to five minutes.

When inferior animals aro mado to sleep into denth by the
vapor of tho bromide of ethyl, the heart is found, directly aftor death, with blood on both sides and free of vascular cungestion. The color of the blood on each side is natural, and tho lungs aro left charged, withont being surcharged, whe blood. The coagulation of the blood is natural. Tho heart retanes its irritability for as long a poriod of time as after death frum methylic other.

Mr. Nunuclos's favorablo opinion on the action of hydrobromic $r$ 'her is thereforo contirmed in respect to essentinls, but I am not thereupon inclined to suggest that it should to employed.in place of other and bottor known anowstheties. For, arrespectively of the trouble and cost of making the other, it has certain faults which are opposed to its general employment. It causes irritation of the throat in sume cases, and occasionally romiting, added to these objections, the flaid easily undergues change on exposure to the air, with liberation of freo bromide, when it becomes difficult, ifnot dangerous, to inhalo.-Mcdtcaland Surgeal.Reporter.

Tre Sucial Evil.-Men sprinklo fastitution with rosemater and call it tho Social Evil. This is a better tutlo undor which to invoko logislation. It keops persuns off the scent. In England, "Contagious Diseases Act eersed tho samo purpose. Such was the title of tho law smu 6 ed through Parliament "to improse the health of the Army and Nary." A year or two after its passage peoplo wuke up to find they had licensed prostitution in certain districts. Then came opposition and a cry for repeal on the one side, and an effort ou the other side to extend the law over the entire hangder. Asouciations were organized for both purposes. Oppwstion has gamed ground, and last yoar six hundred thousaud signers protested aganst the lam. Tho law his been transplated to America-to Sh. Louss, nowhero else, as jot. Now comes aud cfort to apply it to San Francisio. Its frionds allego that it has sucecteded elsemhero. Its oncmics insist that the suecess is on the surface, and that it has driven the oril out of public view vily, and into clandestine retreats, where it is more dangerous to suchety. Many guod peoplo aro ranged un buik sides. With the enemues of the lan, the -tumb-ling-block is the primuple of heensug, and thas sanctioning, prostitution. The nural sense of the Amencan jeuphe is infles.
ibly hostile to this principle. They do not beliaro that the end justifies tha means. French and European legislation has schooled many of ourcitizons of European birth in the opposito faith. Nuch can be said, and much will bo said, on both sides. It is not a subject for hasty legislation. If a plan can bo dovised to restrict the ovil without violating the principles of morality and justice, and thereby sapping tho foundations of society, wo shall bo oniy too glad to plead for it. But we protest against that one-sided legislation which protects mon at the expenso of women-which distrains woman of her liborty that sho may be made a safo subject for masculine lust-which compels her to submit to esammations and operations in order that sho shall not communicato discaso to men, and then opens tho door of her bedroom to every diseased and beastly lecher, who may enter without examination, without inquiry, without tho shadow of restraint. Wo blush for any professional brothor of cultivated conscionco and refined morataty who wonld advocato such legis-lation.-Pacific Medical and Surgical Journal.

Limbreich's Operation for Extraction of Cataract.Prof. Letrich says that during the four jears past ho has in more than threo hundred eases empluyed the following method for oxtracting cataract in proforence to the ono recommended by Gracfo, which ho hal formerly omplosed, and finds it to bo, in many respocts, its superior. Tiso incision of the cornea is to be made with the smallest possible Graofe's knife in the following manner: "Puncturo and contra-puncture are made in the selerotio about ono millimetro beyond the cornea, the whole of the remaining incision pasing twith a rery slight curve through tho cornea, so that the centro of it is about ono millimetre and a-half distant from the margin of tho cornea. This incision can bo made upsards or domnanals, with or without iridectomy, and the lens can be remored through it with or without the capane. If, as $I$ now practisc, tho extraction is made domnwards without iridectoms, the wholo operation is ruluced to tho greatest simplicity, and docs not reyuiro narcosis, asistance, elevator, or fisation, and only two instruments, Graclo's knifo, ard one cystotomo with Dariel's spoon (Br. Medied Joumal, No 570).

## DR. Sayre's apparitus for mip jorivt disease.

This apparatu3 consisto of two portions, the upper (Fig. 1 c)
 made of corrugated steel, attached by means of a univernal joint to a pad of proper size (d) fitting on tho dorsum below the crest of the ilium, and holding in place a perineal band (e) adjustable by strong wobbing and buckles (bl).

The lover Portion $f$, is simply a ratched bar, sliding within the first. Its inferior extremity is oasily adjusted by means of a single screw to either side of two semi-circular bands ( $a$ a) embracing the thigh just abovo tho knee, making the apparatus answer for both limbs. The cut represents the samo arranged for the left leg. Extension is mado by working the Splint with the koy $f$.
The necessary measuremunto in urderthy the abose aro.-

1. Length from Trochantor majur to kneojont.
2. Circumferonce of Thigh three tachos atove tnec.

4
The application of the splint is as simplo as its con-struction.-Take strong adhesive phaster, spread on twiiled muslin, eut two fan-shaped pieces (Fig. 2), one largo enough to reach from the porinoum to Within two or three inches of the condylv of the fomur, on the inner sade of the thigh, the other from tho trochanter major, to a point directly opposito the end of the inner plaster. Sow on tho narrow ond of each, Fig. $2 a$, ono of tho webbings, represented Fig. 1 a a (not on tho stecky sude). Apply thom to their respective places, and after pressing them with the warm hand, to obtain firm adhesion, securo thom futher by a well-adynsted rolIer. The instrument contracted, is now taid over the thigh, the wobbing Fig. 2 a. firmly fastencd over the rollers to tho buekles

Fig. 1. $a$ a and the remaining ono around tho thigh. Tho porinenl band is now adjusted, rathor firm, and the instrumont extended with tho koy, to just enough to mako the patient comfortable, and then locked ly pulling the slido down over tho spring Fig. I c .

In order to provent the limb from swelling below tho bandage, Dr. Sayre recommends tho ase of an elastic stocking or kncocap.

A Case of Eakly Preanancy.-William McCollom, M.D., of Brooklyn, N. X., roports the following caso:-Jane F., single, born in Vermont, of American parontage, was reared in poverty until adopted by a respectablo fimily in easy circumstances, at the age of oloven yoars. About this time, and soon antor sho ontered upon hor oloventh year, sho reached paberty, and monstruated rogularly up to the time of concoption, which occurred in the carly part of the month of March, 1864, after intercourso with an old sinner sixty years of age. Hor age at the time sho conceived was twolvo years and nino months, and at the timo of her confinement, at full term, Decomber 10th, 1864, thirteon years and six months. Sho was at this timo a bright, active girl, with a childish face, and with a mind corresponding with her years, but in other respects had a womanly developmont, woighing about ninoty-five pounds, with well-dovoloped polvis, full rounded limbs, and finely doveloped mammo.

I was in attendance soon after the commencoment of labor, at five o'clock p.m. The pains were rogular, with brief intervals of rest, gradually mereasing in severity. On making an examination, found the os dulated to admat the point of inder fingor. Aftor an hour and a-half had olapsed sho was suddonly soized, without promoniwry symptems, with quito sovero cpileptiform convulsions, immediately fullowed by coma and stertorous breathing. The pains conunned, lessened in degreo of foree, with considerablo regularity. sho was bled in tho arm, and kopt undor chloroform untul labor was sufficiently advanced to allow me to apply the forcops at thriv $u$ 'clock $n$. $m$. I dolivered her, without difficulty, of a hvang garl, which woighed six pounds and eight ounces. Atter tho delvery of the child sho continued in an unconscious comatose state until nine occlock tho
next morning, when sho gradually emorged from it, and made, togother with the child, a good recovery. She had an abundant lacteal secrotion, and nursed tho child. She had no roturn of the celampsia nfter an hour from the first semzure. Tho urino was not tested for albumon or casts; but sho had at no timo previous or subsequest to labor symptoms of ureemia.-Wedecal Record.

A Case of Mooromapita.-Dr. Noges, of Dotroit, Mich. (Detroit Reviezo of Medicine), roported a ravo as well as a very interesting caso of scriconor's spasm or palsy. The caso mas that of a bank-clerk, who had been a long time engaged in mriting rapidly and vory constantly, until exhausted. Ho complained at first of numbness in thumb and indexfinger. Tho numbaess grow vorse, and after writing awhile, ho was unablo to bold tho pon at all. The constant galvanic curront has boen used with benefit, in connoction with cold shorering.

Dr. Livermore said that ho had seon a number of casos of this affection in Europe, which were enabled to writo by fitting a block to the pon, to bo held in the ball of the hand.

Wo would remark that Prof. Eastman, of Eastman's Commercial Collego, Poughkeopsio, has derised an oxcollent ponholder, with an ogg-shaped attachment for the palm of tho hand, which is woll adnpted to eases of mogigraphai-Afedical Record.

Crocescision in Utero.-A momber of the Philadelphia Obstetrical Socioty having witnessed the circumcision of a Jewish child, described this operation to his wife, who was in the early poriod of prognancy. A strong impression was malo on her mind, and the event was the subject uf constant thought for sevoral days Sevon months afterwards she gave birth to a child, whose glans penis was found exposed, "whilu the retracted prepuce actually showed the yet granulating ciatrix of what looked like a rery recent circumcision!" This oxtraordianary circumstance, which is related in a first-ciass medical journal, under the head nf "Birth-mark from Maternal Impressions," suggests a ready mothou by which our fellow citizens of the Larachtish fath may do away with the sanguinary modo of perfurming carcamcision in common uso,-Pacific Med. and Sur. Journal.

Hemoptisis-Treatment br Atomzer.-Dr. Molden, of Nowark, Now Jersoy, (Nedeal Reconl,) invites attentior to a simplo and officacivus methol of checking hs moptysis by "throwing the atomized rapor of saturated solution of gallic acid directly inte the muuth and thruan. I have repeatedly frumd the most gratufy ing success fullow at once, evon in eases of profnso homorrbage. Ualiko wther styptics thus administered, it quiets the spasmudio cough, which socms the direct result of the presence of the blood, requires but a moment to propare, and aside from ats effieacy, it inspires imundiatoly the confidence of tho pationt. My habit has boon to have an atomizer and bottle of gallic acic always at had, and when summuned hastity to mix the acid in a tumbler of wold water, and use oven without waiting for the oxcess of acid to subside. It has proved successful in sovoral cases whoro the bluud was streaming from the mouth with orery expiration.-(Melical Cosmos.)

Ofartotomr durina Preanancy.-At a recont meoting of the London Obstotrical Socioty, Dr. Eugeno Guldard read the particulars of a successful caso of ovariotomy during preguancy. The pationt was 29 years of ago, and in 1870 was found to bo the subject of an orarian cget, but as there was no urgent symptoms, the consideration of any surgical treatment was deferred. She then became pregnant ; and about the end of the second month of uterogestation, Mr. Spencer Wells removed tho ovarian esst. Eloven and a half puats of flud was wathdrawn. The clamp was remored and the bowels acted on the eight day. Pregnancy went on uninterruptedly, and a living child was lworn at the full period. Dr. Goduard sard that the compound nature of the eyst, precluded the tdea of tapping, as also did the tink of peritonitis, suppuration of the cyst, and tho tormation of adhesions. Premataro labour sas not induced, betalso tho pationt was already begmong to suther constitutional disturbaice from the donble burden, and it was doubtiul whether, by tho time a viable child could be born, they would not hare ansumed such magnitude as to imperil tho patients safety, wherea, if abortion more induced, tho child would bo lost, and the tamor would remain.

Dr. Moss related a caso in which Mr. Wells had operated
under more adrerso circumstances, as tho tady was much brokon down in health, at the timo of the operation. A small ovarian tumor was diagnusticated oughteon years ago. Tho patient was subsequontly married, and Dr. Ross had attended hor in four labours. In no instance was parturtion attonded with any sorious difficulty During gestation tho tumour appeared to becomo smaller. Tho tumur rapidly nereased about a year ago, and ali: Wells removed it successfully, the patient boing about two months progant.

Mr Speacor. Wolls said that tho oxistonco of tho oyst for oighteen years, and tho pressure on its walls of hard bone-like masses, had led to tho diagnosts of a dermord tumor. He bad performed osariotumy fuar times durng pregnaney, and all tho patients had recovered.

De Bantock said that the diagnosis of pregnaney at an early stage, complicated with an orarian tumor, was not atways easy. In considering the performanco of the radical operation in theso cases, ono fact was worth any number of theorotical objections.

Mr. Scott roforred to a case of orariotomy which ho had recently performed Tho pationt had iassed through two labours at term in safoty.-British Med. Journal.

## NEW METHOD OF EXTRACTION OF CATARACT.

BY R. LIEEREICH,
Ophthomic Surgcon and Lecturer to St. Thomas' Ituspital, London.
Gemtemen - Vntil nuw we coadd porform but small operatinns at our Thurslay meetiogs. The Uphthalmic Ward haveng bern opened last week, we shall do ablo to recorro patents for operations of greater importance. We shall begin with cases of iridectomy and cataract, and as for this latter, I shall have to esplain to you my new methud of extractivt, the more detaled deseription of which will appoar in our next Illosptal Roperts.

The frequent occurretu of tutal suppuration after flapexextraction induced the celebrated uperawrs of Mworicelds Hospital to return to and innurovo tho linear exthaction, whech at that time had been almust abaudued. Girame, struck with the
results mbeh Messrs Bowman ,od Critchott had obtained, submitted the question tw further studics, and so formod tho mothod which is now gonorally adopted in England and on tho continont.

Thero aro numerons statistes to shom that in Graof's mothod thore is a mach smalior percontago of total suppuration than in Ilap-oxtraction; also that, oven in cases of fory bad gonoral constitution, weak and marastio individuals with thin and flabby cornea, the prognosss is not so unfavournble ns in flapoxtraction; and tho precautions tro havo to tako ather the operation, and the restrictions wo havo to imposo upon the pationt aro not so great.

On account of thoso advantages of Gracfo's mothod, it was natural that the flap-oxtraction was soon abaudoned. To mo, howerer, it appeared that the mechanism of Gracfo's operation was still too compheated and violont, that prolapso of the vitroous body and hromorrhage sato the anterior chamber woro too frequent during the oporation, aritis and strangulation of tho iris in the corners of tho wound too froquent after it, and that tho most favourable results, compared with the most farourablo results in flap-oxtrection, were not perfect crough.

If these inconvemences bo carofully inquired into, it is found that they can all be brought back to one and the same principal canse-namoly, peripheric position of tho incision. This peripheric position exphins why-

1. It is impossible to remoro the lens without iridectomy.
2. The excision of the iris is to be Iargo and oxtensive, olso it causes too great an inclination to prolapse of tho iris.
3. It is necessary to perform tho oporation abose, so as to cover a part ot this large pupil by the apper esolid The removal of tho lens upwatls is by far more dificult, on account of tho tendency of tho oyo $w$ escenpo upward, and, consequently,
4. During the wholo operation, the eyo has to be kept opon by tho speculum, and to bo drawn downwards by tho forcops. This is not ondy panful and ingureons to the oyo itself, but causes
5. Not unfrequentis, prolapse of the vitreous buly, to which a poriphoral mesion itsolf already tends. Prolaposo of tho vitreous body and hemorrhage ato the anterior chamber aro the chief impedimonts to a carotul removal of all the ditris of the cortex, and.cause-
6. Those grare furms of iritis which are sustaned by the permanent irritation causud by tho tumilad remandere ot the lons behind the iris.

Of those disadrantares I wan perfectig awaro after I had followed for a short timo Grack's urizital phan, ath I Proposed, therefure, in 1967, in an artido on Cataract which I wrote tor tho Shurean Dictiomaire de Me.lecisu et de Cherurifu (Darss, Bahhere), some modifieations. They are, humover, but the first step I made, and in the last fuar years I have como, by a largo sories of systomatic experimonts, to a muchund wheld I nuw, after moro than three lundred operations performed in this mannor, consider definitely sottied.

The incision of the cormea is to lo malo with tho smallest possible Graefo's knife, in the following manner.

Puncture and contrapuncture are made in the sclerutic about one millimetre begond the curnca, the whele remainag incesion passing with a tery slight curve thrugh tho curnen, so that tho centre of it is about one cuillimetre and a hall distant from the margin of the cornoa. This incision ean to made upwards or downmands, with or without iridectomy, ard the lens can be remored through it with or without the capsule.

If, as I now practise, the extraction is madu duwnwards without iridectomy, tho whole operation is reduced to the greatest symplicity, and does not requiro narcosis, assistance, clopator, or fisation; and only tro instruments-namoly, Graofo's knifo, and one cystotomo, with Daviol's spoon.

What aro the advantages of this method of operating?

1. It is undoultedly of all mothuds tho simplest and least paidful.
2. It is unconditivally tho easiest to perform, and requires the least practice. It mat, therofure, wo perfurmed by those operators who from timo to timo othly hate an opportunity of doing so, and thuse patients benefil by it who are atable to rojech a contral point in order to place thenseltes in mure practised hands. On account of the greater facility of operatitig, the last pretext for reclination of cataract is romoced, which, although universally and justly cundemined, is still hero and thero porfurmed.
3. It is proforable to tho flap-ostraction, on account of the safer and constantly rogular incisiod. The flap-itucision siaryoly over acquires tho regularity which may theorotically bo domanded
-even if mado by the most prattised operator, with tho best assistance, tho mort enduring patient, or undor chloroform-by the use of eleration and disation instraments. Now its height or breath is not what it is intended to be; now its position is incorrect, or the wound is irregular-indeed, part of it is duo to the difleult form of the incision; but by far tho greater part, according to my conviction, is due to the mechaniam by which the cunciform entaratt-kmfo is to make the uncision. A amall Graefo's knifo mould make a flap safer and moro rogutar than the rarious other cataract-kniver. Tho incixion which I designed can easily bo mado, in giving it in overy case exactly the devired form and position-oren if the patient is very restlos-without assistance, without clevator or fixation. It mainly dopends on the facility with which the place of tho contrapuncture can bo chosen, tho knifo drawn back and made to pierco at another point if a mistake is made in the selection of the place for contrapuncture, and in tho freedom with which, in terminating tho incision, the inchnation of tho knifo can be conaged if necessary.
A. little practice will enable overy uperatur to avoid theso corrections, and to mako the contrapuscture, as nell at the wholo incision, correctly to has oryinal plan, suthont subsequent alterations.
4. Against Gracfu's method it has the oulsantage of a mer. favoarable position of the fold for the operation, and aroids through it all the inconvenences to which I have referred, as arising out of the peripheral position of the wound.
5. In regard to tho modo of healing, it favourably contrasts, liko Gradfo's method, with the flaperaxaction, on account of the diminished influences which ago, constitution, genoral stato of heafth, season, and other causes exert; also on account of the less domand made upon the patient to remain quiot after the operation; and, aboreall, on acecunt of the lesser tendency to suppuration of the cornea.
6. The adsantages of my method orer that of Graefo's are shown by tho ultamate results obtained, by not showing a greator percontage of total suppuration than in Gracfo's method, my best results are in regard to optical and (if I may uso tho term, anatomical perfection, idontice! with tho best results obtained in flap oxtruetion.-British Medival Journal.

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# A Nouthly Joumal of Medical and Sargical Science, 

Ionatia Trimply on tho Eirst oforery wonth.

[^0]TORONTO, MARCII $1,1872$.

## AMENDMENTS TO TIIE MEDIOAL \&CT.

The Committee nppointed by tho Council at ats last meeting to draft amendments to the Medical Aut have completed therr labory and framed the following elauses, which havo been phaced in the hands of Dr. Bashr, tu bo carried through the House. It is very doubtiul, however, at this lato stage of the Session, whether or not thoy will pass the Mouse. Probably it is just as well that they should bo laid over for tho present, in onder that they may bo submitted to tho profession for approval or amondment:-

1 Section 11 is hacrly amended by striking out the mords "by a notice" in the thirtecnth lino down to the words "such election" in the fifteenth and sisteenth lines, and tho tollowing hereby subxtitated "in such mamer as shall bo provided for by by-law of the council."
2. Section thirieen is herobs amonded by striking out tho worl "Wedned.uy," iffh line, and substatrog the worm "Tuesd.ay" therofor.

3 Section faurtena is horeby amonded by strikung out all tho words after "in" in the third line and substituting the words "the manner piovided for by by-lam of tho conncit."

I Seltion twenty-five is hocoly amonded by adding the followius elaune, "whenever any registered practitioner of the goneral school thall signify his wish to become registered as a homornathic or euletio member of the Collego ot Physicians ad Sungeons of Ontario, he shall signify suct wish to the Rogis-
trar in writing, and shall appear at the noxt refolar examinntion of tho Bearal of Examine ra and be examined in the branches heman betore mentumed by the examaters approved of by tho reprecentata in the Cuuncil of the body tu whach ho hois sige nitiod has woh to juin, and upon anch cramiation laing repurted to bu satisdaciory the Buard whal repurt his natue as having panced av a homaropathic or eelectie member of the College of Phyricians and Surgeons of Ontario, and the Registrar shall register has name upon the payment of such feu w the council may appuint, and all perwons oo regintered shall i entitad to vote for homarpathe or eclectic reprosentatives th the council, as the caso may bo.
5. Scetions forty, furty-one, forty-two and furty-thrie aro hereby repealed, and the following eections and sub-eections aro subytituted in lieu thereof:-
6. Ans person who shall walfully procure, or attempt to procure, humselt to be regstered uder the ead $\Delta \mathrm{ct}$, hy making or protucing, or cansug to bo made or produced, any fatso or fraduatent representation or declaration, ether rerbally or in wrating, shall, on conviction thereot buforo any Justice of tho Peace, meur a penalty not exceedang ono handred dullara, and overy person knowingly aiding or assisting him thorein shall on cunviction thescof, miar a penaly uf aut less than twency, nor moro than tifty dollars.
7. If any perison shall procure, or causo to bo procured, his registration under the sand Act by means ol any falso or fratudulent ropresentation or declaration, enther vertaily or in "ritugg, it shall be lawful for the registrar, upon the receipt of ovidunce whech shall to satistactory to him of the falsaty or Irauduient
 of tue sad person from tho Register, and to mako haven do fact and cause of such cranare by notice to bo pablishad uace in the Untario Gazette, and after such nutice bas appeared, tho persen whose namu has been su crased as aforesatd shatl cease to Le a momber of the mad Cullege of Ihyewtans and Surgsons of Untario, and shall ceaso to edroy any of the pratiterey of registration under tho sad Act, and shath bo dispuahfied from registering under the said Act at any future timo without tho oxpress sanction of the council.
8. It shall nut bu lawful for any person not registered under the sad Act to practiso Phyme, Surgery or Muwnery an Untario for hire, gan or hope of reward.
9. If any porson not registered under tho said Aet, shall, for hare, gain or hope of roward, praclise or profess to practiso Physte, Surgery or Midwitery, or advertise tu givo adsics or medictae, ho shati, ofon a summary convithon beturo ang Justice of the Peace for any and every such offonce, pay a
jonalty not ex.eedid ono hundred dollars, nor le-a than twenty lollars, prosided always that dothing in this clause contained, whall prevent any person heensed ander tho Pharsnary die from cumpmudins medictere whon preserited by a regictered prectitionet, hut from selling any modicino in tho ordinary courso of trado.
10. Any ponom tho shall walfully and falsely pretend to be a Physectan, Ductor of Medteme, Licentante in Medicine, Surgory or Midwifery, Master of Surgery, Bachetor of Medicine, Surgeon or Gomeral Practitioner, or shall assume any tillo, addition or description other than ho actually posseses and is legally entithed to, whall be liable on conviction bufore a Jusuce of tho l'eace. to a penalty not osceeding tifty dullare.
11. Any person not registored undor the said Act, who shall tako or uso any name, title, nddition or deseription amplsing or calculated to lead peaple to infer that bo is rogistered under tho said Aet or that ho is rerngnized by law as a Physician, Surgcon, Aceouchour. or a Lirentinto in Medicino, Sargery, or Midwifory, shall, upon a gummary conviction before any Justico of the Peace, pay a ponalty not exceoding one hundred dollars, fur less than trenty fivo dollars.

12 In any frinl under tho said Act as horeby amonded, the burden of proof as to registration whall tio upon the person charged, provided always that tho registor in forco for the timo boing, shall bo prima facic oridonco that the porsons named thoron are horeby nntitled to the diplomas montioned opposito their respectivo namos.

13 All prosecutions undc this Act, or the Act amonded by it, may ho brousht and heard 5 -fore and besany one or moro of Her Majestri: Juntires of the Peace baving juresdection in the locality where any such offenco has been cummatted, and such Justice shall havo pover to avrard the paymont of costs in addition to the penalty; and in case the penalty and costs awarded by him be nint yaid forthitith upun conviction, to commut the offender to the common gaol, there to bo imprisoned for any term nit oxeceding threo montbs, unless such penalty and costs bo sooner paid.
14. All ponaltios recovorablo undor this Act, or under the Act herely amonded, shall be paid to the convicting Justice, and be by him paid to the Truasurer of the Council: all penalties so recosored shall form a part of the general fund of the Council.

15 Ans person convicted under this Act, or under tho Act herehy amended, who shall give nutice of appeal aganst tho decesinn of the convieting Justico, shall bo requared, wolore boing released from custody, to givo to said Justice satisfactory security for the amount of tho penalty and costs of conviction and appeal.
16. Any person may be prosecutor or complainant under this Act, or under the Act bereby amended; provided always that every prosecution under this Act and the Act amendod thereby, shall be commenced within one year from the date of the alluged offence.
17. This Act shall be read as part of the Act hereby amonded.

## AID TO GEARITABLE INSTITUTIONS.

The Honorable member for Norfolk, Dr. Clarke, has been engaged during his spare moments since the session commenced in visiting the various charitable institutions, hospitals, poorhouses, \&c., and eliciting information regarding the working of these institutions, with a view to establish them on a more liberal and permanent basis. He has asked for and obtained a parliamentary committec to take the following matters into consideration. The committee consists of the following gentlemen: Hon. Messrs. Blake and Gow, Messrs. Guest and Williams, Drs. Baxter, Wilson, Clarke, and Poulter. The Hon.' Mr. McKenzio has also promised to bring in a Bill next Session, based on the report of this commitiee. The objects aimed at are as follows:1st. To place the various hospitals on a botter financial basis. 2nd. To render it imperative upon counties or groups of counties to establish hospitals, and to provide accommodation for the maintenance of the chronic insane, and imbecile. 3rd. To establish a permanent Provincial Sanitary Board; or board of health, to which all reports on epidemic and other diseases shall be referred; and 4th. To establish one or more inebriato asylums, \&c.

In reference to the above matter, the suggestions and opinions of the medical professicn and others are earnestly solicited, and will receive every attention. We hope the honorable gentleman may'bs successfal in his efforts; and we have no doubt that the profession here and throughout the country will lend him every assistance and support in his important inquipies, and warmly second his efforts in the dir stion above indicated. The Toronto General Hospital will come -a : a share of the bonorable gentleman's attention, and prokaticy no other institution in the Province is wore in want of assistance than this. At present, though capable of accomrodating 300 patients,
there are only 50 freo beds in the institution. Tho building is finely situated, having good facilities for proper dranago, and with a littlo improsemust in tho vontiation, and means to placo it within ronch of tho unfortunato poor, it could bo mado ono of the best appointed and most useful of the kind in the Dominion. It is managed by a vory efficient woard of trustecs, and has an excellont hospital staff; and wo trust that tho government may bo induced to give it that assistanco which it so much stands in need of to make it what it ought to bo-n blessing to tho allicted poor.

## MEDICAL COUNCLL ELECTIONS.

In the last number of tho lancet wo requested our friends to send us the names of probablo candidates for election to the Medical Council in Juno dost. In so far as our request has been complied with, we are enabled to stato that Dr. Jas. A. Grant, of Ottama, mill be a candidato fur tho Territorial Difibion of Bathurst and Rideau, in opposition to the prosont roprosentativo, Dr. Mostyn, of Almonto. Dr. Bray, of Chatham, for Westera and St. Clair, in opposition to Dr. Edwards, Strathroy. Dr. Hoddor of the Medical Faculty of Trinity College Medical Suksol, will be a candidato for the University of Trinity College, Toronto, in opposition to Dr. C. B. Hall, tho prosort incumbent.

Matriculation Examination.-The noxt Quartorly Matriculation examiantion of tho Councsl of the Collego of Physicians and Surgeons, Ont., will bo held in the Grammar School, Toronto, and also in Kiogston, on the firit Tuesday and Wednesday in April.

Professional Eraminations, Colizoz or Pexbiolars and Strazons, Onr. - Wo aro informed that a meeting of tho Execuiive Committee will bo held at an early dato to fix the tumo and r'ace for holding the above exammations. Although it has not been definitely settled, wo are in a position to say that in all probability thoy will commence on Wednesday, the 3rd of April.

Taccine.-We havo receised seroral onquiries from our subscribors regarding the reliability of tho paccins virus sup.
plied by Dr. Martin, of Boston Mighlands. We beg to say that. a fer weeks ago, wo ordored a crust, oue remow from the cors. and it gave the most entire satisfaction. It his not failed in a single instanco. Our friend, Dr. Covernton, of Simeve, atio received some of tho points, direct frum the cow, through Dr. Clarko, of St. Catharines, whech also proved highls batisfactury. Wh have, tharefore, no hesitation in recommonding tho varus as supplied by Dr. Martin.

## DECLARATION REGARDING ALCOHOL.

Tho following "declaration" regarding the uso of alcuial, by modical men for their patients, has dately buon pubished at alt the leading medical jouruals in England. It contains the signatures of the most eminent medical men in Lomdon, and many others of lesser note, to tho number of two hundred and finty four:
"As it is belioved that the inconsiderate prescription of large quantitics of aleoholic liquids by medical men tor there pationts has given rise, in many instance, to the formation of intemperate habits, the undersigucd, white unable to abancon tho use of alcohol in tho treatment of certain cases of disease, are yet of opinion that no medical practitionor should preseribe it without a sense of grave reeponsibility. They believe that alcohol, in whatever form, should be preseribed with as much care ay any powerful drug, and that the directions for its uso should bo so franed as not to bo interpreted as a sanction for oxcess, or necessurily for the continuanco of its uso when the occasion is pash.
"Thoy are also of opinion that many peopte immonsoly exaggerate the ralue of alcohol as an articlo of det, and suco no class of men sco so much of ito ill offects, and possess such power to restrain its abuso, as members of their orm profession, thoy hold that esery medical practitionor is bound to exert his atroost infuence to inculcato habits of great moderation in the use. of alcobolic liquids.
"Being also firmly convinced that tho great amount of drinking of alcoholic liquors among the working classes of this country is one of the greatest evils of the day, destroyng-more than anything elso-tho health, happiness and welfare of those classes, and neutraluing, to a largo extont, tho great industrial prosperity which Pruvidenco bas placed within the reach of this nation, the undersigned would gladly suppert any wiss
legislation which would tend to restrict, within proper limits, tho use of alcoholio beverages, and gradualty intuoduce habits of temperance."

While protesting against the first paragraph, on the ground that it would appear to attributo to tho profossion the creation of intomporato habits, wo are of tho opinion that this important document has not appoared a momont 100 soon. A great deal of harm may undoubtedly" bo dono by the caroless and indiscriminate use of alcohol by medical mon for their patients. Such a movemont on tho part of tho medical profession in our own country would not be amiss. In tho moantime wo hopothat the publiention of tho above declaration may not bo without its bonefivial offect, and that greater care and discrimination may bo exercised in the administration of this useful, though much abused romedy.

## NOTES AND COMMENTS.

Innervation.-In tho presont numbor will bo found an article on "the phenomena of life," by Dr. Freel, of Markham. It is the continuation of a preceding arucle which was published in tho April Number, for 1871. If any of our now subseribers would like to have the whole article we will bo happy to supply them with tho numbor of the Lancet referred to.

Giue Bandage for Fractires.-Dr. SfeCallum, of tho Afontreal Gonoral Hospital, (Canada Medical Journal), has lately introduced the use of tho Gluc Bandage as a primary sotting in the treatment of fraetored limbs. Patients thus treated are pormitted to get up on the third day and move about on crutches. The bandages do not got uat of order, and tho adrantages more than counterbalanco any troublo that is necessary in its application.

Tremment of Shardrlox.-Dr. Marsdon, of Quebec, (in tho Medical Record fer July 1J(h), recominonds threo drops of Balsam Copaiba, rubbed up wath a httlo Albumon, or Mfucilago and Syrup in the treatmont of small pas. The iden originated trith Dr Rowand, ne of the Surgeons of the Marino and Emigrant IIospital, Que. It is claimed tur tho aboro remedy that it arrests the procoss of pustular devolopoment and consequent dosquamation and suspends the diseaso.

Vaccination.-We have received a communication from Dr. N. Munro, of Brucefield, in which he urges the propriety of repeated vaccination as long as it will take effect as a preventive of the spread of small-pox. In reference to revaccination he states that in his experience sixty per cent are susceptible of taking a second time, forty per cent a third time; and ten per cent $\boldsymbol{a}$ fourth time, and therefore he submits that it is incumbent on old and young to be repeatedly vaccinated, until it fails to make any impression on the system.

Honors,-Dr. Gardner, profeess; of Medical Jurisprudonce in the Medical Faculty of Bishop's College, Montreal, has been elected Fellow of the Obstetrical Society, London, England.

## BOOK NOTIOES:

Anestiesta, Hospitalism, \&c., by Sir James Y. Simpson, Bart, M.D., D.C.L. Edited by his son, Sir. W. G. Simpson, Bart, B.A. New York: D. Appleton \& Co. Toronto: Copp, Clark \& Co. pp. 553.
This work contsins most of Dr. Simpson's articles, correspondence \&c., on the subject of Anæsthesia, written from time to time, some of which have alroady been published in the periodicals of the day, and are now transferred to the present volume. The volume opens out with a History of Anæsthesia and its defence. The nature and powers of various anæsthetics and their application to surgery and obstetrics are next taken up, and followed by some remarks on local Anæstiesia. On the subject of Hospitalism, the author has been at considerable pains to collect statistics fr,m different sources, showing the differential death-rate betweca country and hospital amputations. He next discusses the causes of this difference, and suggents certain im. provements in the sanitary condition of hospitals. Considerable space is devoted to the interesting subject of Helsiaphroditism, which the anthor divides into true and spurious, the former in:cluding all cases in which there is a blending of both male and female organs in the same individual, and the latter comprehend:ing malfurmations of the genitals of one sex, approximating in appearance those of the opposite. The author concludes with an article on the process of stamping out small-pox and other contagious diseases. This part is especially intoresting at the present time, in view of the present epidomic.


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