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## HEREDITY,

## WORRY \& INTEMPERANCE, AS CAUSES OF INSANITY.

DANIEL. CLARK, MAD.,

BY


 OF ONTARIO,
ANU EXAMINER IN OHSTETKHS AND MEDICAL JUREDRTHENEE FOR THE toNERSITY OF TORONGO.

REPRINTED FROM OFFICIAL DOCUMENTS.

TORONTO:
PRINTED by C, blaCKETT ROBLNSON, 5 JORDAN STREET.
1830.

# HEREDITY, <br> <br> WORRY AND INTEMPERANCE, 

 <br> <br> WORRY AND INTEMPERANCE,}

## AS CAUSES OF INSANITY.

Heredmary Tant, Worry from Over-work, latemperance.

There were admitted into the Toronto Asylum during the official year 1577, 232 parient; ; into London Asylum, 129,total 361. Returns shew that of that number there were twentyseven eases said to have beeome insane "from domestic trouble, adverse ciremstances and mental anxicty." hatemperance in drink is sail to have added twelve to the number. Those who had inherited tendencies with any other aseertained canse in combination (ineluding the congenital) were the large number of 122. Unknown eauses make up a large proportion of the remainder in the returns of this and snceeding years. In 1877 out of the large number of 232 admissions into Toronto Asyhum no canses were assigned in 125 cases, and in 1878 , out of 189 cases, no causes in 61 eases. In London Asyhum out of 214 admitted in 1878, 162 were elassed under the head of " unknown causes." In

Roinustion Asylnm, ont of 107 atmissions 29 were thus classified. the the wheial year of 1578 the armissions into the there above muntionerl Asylmms were, respectively, 1s9, 21+1 107 ,-total, $\mathbf{5 1 0}$. (0) ${ }^{2}$ rhis nomber it is fair to infer that a majomity of those renimport mator thr bealing of "mknown canses " were aftlicted with heredity. If there were no apparent canse to those who



 an 1 10.5 from the horeditary and congenital tendencies, excited the wher eanses. The whole in the latter of the above-mentiones watitine canses might ine definel by the one worl "worys," for
 motatal anciety" mean the same. A latge proportion of the
 Hope litary taint in a majority of eases. It is true the classilicaminn is fiu from lxing approximately true, on aceonat of the impermer way metnens of the anturior history of each patient are mon li wht. A large percentage of cases sent from the grools are ansmpanien with little or no information abont their anteced nats. Whe listories filled up by frimels or relatives, under the ordinary premase are abo too often very meagre and matisfactory, especiWhy in pespect to the induiry about the mental condition of relaminters. This must remain to be the case mutil a more approved why of arriving at the truth is devised. We must, however, use thes figures at our disposal, and classify them as being a represenmatrion of minimum cases in the proportion imlicated. The large namber of those almitted under the heal of "unknown eanses" if whate a tallaey would be liable to creep in.

In lioking over the tables of Asylum Reports from year to year, the thoughtfinl rearler camot help being alarmingly startled at
classiticel. hree ahove -total, int). of those rere aftlicted those who n it lay in the .110 allame insane ce in drink, ins, exciterl -mentioned wory," for ronbles and tion of the (1) possuesses at classifieaof the impatient are e gaols are matecedrints. se ordinary ory, especiion of relace approved owever; use a represenThe large wn causes"
ear to year, startled at
seeing such a record of large percentages of eases of insatuity heing attributed to these three causes, viz. :
[. Hereditary 'laint.
il. Worry from Over-work.
III. Intemperance.

The hereditary eanse may at a low estimate be phaced at f. frer ceretem of the insane popmation. It is worth while in a Report of this kind to make inguiry into the molical calnes of such a dire calanily as that of insanity. Nothing mow can lo written about it to medical men, hat if the public can le mate to panse amb consider in the minst of the hot parsints of arey-tiay life, some good may result from a cursmy glance at the sulgect. What is this hideous ogre which is working such'wor in om minlst! 'To say that a disease is hereditary means, in the commmity, that it is incurable, although such is not absolntaly the ease. The main matmal prop towarls cumbility secms to be taken away when an inthence of this sinistre nature has been implanterl in a constitution. The number of relations who hase shecember to the same disease is smmed up, and commiseration is expressed for the latest vietim, slowly eapitnlating to the malign agency. like all canses of a morbitic nature with the combition of the ir existence molanged, the circle of this ahomal temeney ever widems matil it might be truly sad that a larere propertion of the pepmation of the earth is afliceted more or less hy its permeating influence in one form or other. It is of national importance to embeabor to investigate its somres, and to impuire if it be possible to do anything to stay its progress in wen a minor degree in that phase of it called insanity.

We see consumptive parents perpetnate in the limges of some or all of their chikinen or grand-chiltren the tembency to fom tubercles in the longs, which semd a harge majonity of them and therir descendants to a premature grave. The serofulous transmit to the generations following them, in an ever-wiblening stream, a predisposition to ghamblar discase, which leaves the hody liahle to be stricken down, not only with this most persistent of diseases, but also with aceste diseases which more readily prey upon a system
weakened hy reason of temencies inherited from the parents. A chain is only as strong as the weakest link. A fort is only as impreguable as its wakest part. So when any deblitated organ gives waty the enomy has possession of the bulwarks, and the eitadel is in danger.

Even in those cases in which no apparent reason can be given for a decided change of constitution, set, this deviation becomes a natural heritage. 'This is illustrated in Allionow, who ase to be fomel anomg all the diverse haman race on the face of the ghe This abonce of coloming matter from the eyes, hair and skin appears in chidiren of bomal parents, hat, when mee in existence it is tramsmisible as a patrimony. The same is true of the other extreme, called Mefomism; of haidip, of ahomal pinal cohmm, of supermmerary fingers and toes, of aenteness in the organs of sellase, and of perversions of taste. Of comree, many of these peenlianties hase not the pertinacity of mombetion seen in home disenses.

Moral, intellectual, emotional, aflectional pualities amb instincts are inherited in the sane way, evon to collaterai lines of ancestry. It is trme the exeeptions are many from canses hevom homan ken, hat these legacies are in such a prepond rating majority that they most be armitted as rules resulating desernt.

It is easy to see then that in a few deables the individual comes to affect a family; the fanily, a race; and the race, a species. It is one of those inthences whieh does not startle hy its malignity as epidemics do. It showly, quictly, hat pertinacionsly saps vitality, thwats natures ellonts towaris health, and in the end compuers the vital forces. Good can be tramonitted from race to race as well as evil qualities, but menformately the latter predomimate.

It is not to be womberel at that cerain hool diseases are thas transmitted from parents to diblren, when we notice how even healthy trats of character are hamded down to posterity ; the peculiar walk; the movements of the hands and head ; the ficeial expression; the lat on eold temperament ; the tramsmission of aptitules originally acepuired by promal habit; the bequeathing of distinctive momal aml mental eapacities: and a thousam other likenesses and peculiarities can be traced in families for generations. Fach person meots only stomly limselt in these salient points to be smprisingly cognizant of how much he imitates
parents．A sonly as im－ itated organ fond the cita－
：an le givern In lacomes a low are to be of the glole． ：mll skin apr－ existence it the other ex－ al eolimill，ol （ans of seltise， peculiarities 1 ，lisenves． ancl instincts of ancestry． hmman ken， ty that they
irlual cumes ，species．It ts madignity sipse vitelity， wd comquess e to race as erlominate． に゙ゃ ：He thus ce how exen sterity ；the 1；thr fateial nsmission of bequeathing usanll other ；for geners－ these sulient he imitatess
or follows one or buth prorenitors in movements，feeling，moses of thonght and tembencies．

Promincht mal ehameteristice ontlines of mase，chin，month，ears
 cessive phoreny．＇Ihe Jews and Gypsies ate groml illestrations of this law of like producing like．

All the Bombons had andiline noses；the members of the Roval Honse of Austrial have thick lijs．
（）ther illustrions rates are salid to le flat－footed，motil it has lex－ come nemmon sayime that this matumal depression of the arel of the foot is a sign of poyal aleseront．Bunton suys，in his＂Anatomy ot Melancholy，＂＂The famonts lamily of（Enobarli wer＂known

 among the ．Jows，as Bustorfins observes：their voice，pace，exs tumes，looks，are likewise demived with well the rest witheir comli－ fioms unel intimities．＂
dlosyncrasies exist in families，such as intelorance of certan foorls，as jork；abld medicines，as opinm．Lifir Asurante Com－ panies build chances of life in those who have hompliven insertors． The prolitic tembencies of some familiex，as well atiaces，are often subjects of canstic hamonn ame jocular gossip）．The roving and stoical Indian，the emotional morgo，the phlermatic German．the volatile aml westiculating fromehman，the sturly，cool－healed， show and perserorinis Angh－sisom，and the inntative，porlinge， ubservant（himantan，and only evinlences of the law of heredity applied to mations．＇Har Amorican people，althongh in some of the states they are mainly lescembants of Eberlish inmointants of two centuries aro，still shew dhe substantial ferames of their sires． The sante is true of the perphe in thase parts ot the Initor states settled ly the＇rantonic and（iallie races many ratro ago．The
 of the nation from whence they originally phans otand ont pros minently．Any one who ohsured elondy the distinetive appear－ ances，actions，hahits mal temperaments of the varions wiments drawn fron diflement jants of the［aion，on lnoth sides，durine the recent（ivil Wiar，coulll not help lut he stumek with this．We need only look to the hubiture of（furbere，the children of（iemmans
where they are settled, and of the Highlamhers and English in different cometies of Canman, to he comvincer of this statment.

Wrir need only perint to the history of illostrions fimilies to shew that qigantic intelleets arr traminissible: Napier, litt, Fox, Herschel, bache, mul mays such might lee quoted to astallish this finct. It is the there are exerptions to this rule, as arem in the deseembats of C'romwell, Guethe, Miltom, Burns, and sentt. These
 comsideren how moth maternal inthence atiects ofloprines experially if medioerity is joinel to towering genius, amb childron partake of the similitule of the former. The least chatse in the combitions of existence may overhalance the chatacteristies which
 prodnes of erreat geninses howring all their lives on the bomerlamd of insinity. Thu least matoward eiremmance unete the giant mime ; so the many deviations of esen a minor character, which may lue imherited, often matily mpet the "puilibrimm of physeal and mental vitality suldiciontly to change the whole matme of a mam. An impereptild defect in a lens may distort the faiment viow. 'The least change in the ultimate clements of a
 and radieal properties of a sulstance. A drop of foul water will pollute the contents of a large eistern of jume water. In an analogical way this tembncy to great chasge from apporently minor canses is true of natmal heritage A man of impulses with disaretion aml julgment mate on though life withont committing himself to rash acts for want of forethught. His wom may have the passionato nature, bat may be deticient in the jowers which regrlate comblet. A parent of gom miml amb morality may give to a child intellect, but the moma may matmally be of a low standared, and from this want of balanee he may become an expert comerfeiter, hmorar or hank defanter, or on the other hamd he may be of good behaviom and consistent chmatere, but his mental eapaty maty he of a low orler. A child may inherit splentid tatents but they are practieally useless if he is detieient in prodence, pertinacity and indostry. The least change in the imparted physical dements may mhinge the whole man. The rule, however, holds grood that like conditions in parents will prodnce

Euglish in atement. frmilies to r, Pitt, Fox, tahlish this vern in the entt. These , whon it is itur, "ureciililinen parnin in the inties which hen hist rey the how depIIPrets the a clamaterer, nilihnium of - the whole mily distort lamente of a "ppearance 1 water will In an amawhty miner with liscommitting in may have wers which ty may give be of a low ne an expert her hams he at his mencrit splemdid rent in pruill the inm1. The rule, will proshce
like results in children. The promitions of meh may be somewhat changed, and in this way aptitules, peenliaritis, ams simibatity may not the as striking as is a photograph, set, when all of each case are chocely serntinizal in relation to parentage it will surprise the studnt how much in emmum with the parents the most diverse childmen posess. Eern the pullic make it subjeet of remark when one elidh of a banily diflite from the rest. The history of every urighmorhom shews that some faniliw ane botorions for thuir wickednms, and when oecasionally yone member of it turns ont io bu an lomest man, the fact is looked unon an a gratily wing womler. On the other hamd the exchanation of "who would hase thought it s" is often hard when
 ly the remark, "There are hack sheep in ewery theck."
'omote never said a trime thing than when we wote the axion that "Mankind is as one man, always living amb ahws learning. The growth of intelligence is gradnal, and apeals from the one to the many ; mutil, ly a proese of ingrainum, these be one whang in orgaization and prome aptitulles, rising into facultimathe thesult of mondes of thonght passiug down through a serien of gennerations." fon the sameprint Mamiesley says: "The eames of defeetive cerehal devedupurnt, which is the physical eondition of idiney, are often traceable to parents. Ferngent intermariage in families may mombtondy lead to a derememation which monifests itedf in imdiviluals ly deat-mutism, althinsm and inliney. Gut of :300 illints in the state of Mansachusetts, whose historice were carefully investigated, ats mang ats $1+5$ were the oflipuing of int mer rate parents. IEere, as olsewhere in mature, like promene like, and the parcut who make himelf a temprary lumatie or illiot hy his degrating viee, propugates his kime in proeration, and entails on his whilimen the enrse of a hopeless fate." (The Plyswology and Pathology of Miml.")
"A home," says Darwin, "is trainel to certain paces, and the colt inherits similar movements. Nothing in the whole cirenit of physiolugy is more womlerful. Llaw ean the use or disuse of a partientar limb or of the inain atfect a small aggregate of reproductive cells in such a minner that the being developed from them inherits the character of wither one or both parents? Even
an imperfect inswer to this question would be satisfactory." Youatt, the well-known veterinary surgeon, says: "The first axiom we would lay down is this, like will proture like; the progeny will inherit the qualities, however mingled, of tha parents. We would refer to the sulject of diseases, and state on perfect conviction that there is searedy one of which either of the parents is affected that the foal will mot inherit, or, at least, the predisposition to it ; reme the conswoumers of harel wowli wo ill-rextye will deseend to the progeng. We have han proot upun proof that blimhess, roming, thick winl, broken wim, curbs, sparin ringbones and fommer have been beguathed both by the sire and the dan to the offering.' It should be likewise be reentlected that, althongh these bemishes may not appear in the immerkate progeny, they frequently will in the next gempration."

It is also interesting to note how extemal madks, skin diveriate. deformity, and even accidental detieiencies have been transmitten. There are exerptions-which is a matter for eongratulation-hat it shews how great the tembency to reproluce the like exints. The amont of sutfering, disease, and teath which could be prevented by judicions living, can never be estimated. It beemmes a serions estimate to know how mueh epidemies of erime, personal responsibility in riolation of law, unbiassal volition, and moral turpitude depend on canses leyond the eontrol of the individual. Free agency is given to all in a qreater or less degree, bit, in mo two of the soms or daughters of Alam is it alike powerful and mushacklenl.

It will he seen then that what is true in respect to physical and intellectual reprodnction is also none the less true of the momal nature as far as tendencies, propensities and desires go. The rolition may be strong enomg to comberact them, hat they may, amb do often chog the progress towarls morality in thomghtal grool eombet. Lecky, in his " History of Eampean Momals." troly says: "There are men whose whole lives are spent in "rillCing one thing and desiring the opmosite."
'The man whose progenitons were mot habitual dromkards, and
 no partienlar vintue in abotaining from the intoxicating enp, hat the man in whom has been tramimithed a taste for it may be

## atisfactorv:"

"The first e like; the [lerl, of the milstate wir ielo either of on', at lear,
 proot "pon winl, curbs, both ly the Fise le reentrin the im"neration." kind distathes. transmitterl. 1ation-hut like exints. ould be preIt becommes a me, pervomal , and momal a inclividual. c, hot, in no owerful and
physical ant of the monal O. The rot they may, thourght aml :an Marals." ent in wellnkarks, ant s, eall claim ng eup, lout - it may le
obliged to maintain a heroie struggle all his life against the temptation. The same is true of all our moral instincts, and those who julge harshly of a fallen brother or a demarled sister can never lee competent arbiters unless they can see the secret springs of action. JDr. Elan says in "A Physician's Prohlems." "that all the gawsons appar to be distinctly heromitury-anger, fear, enve, jemonsy, libertinage, ghatony, dronkemess; -atl are lialle to D.: tranmitte! to the oflipring, especially if looth parents are alike atfected; and this, as has often heren poved, not he farce of example or erlucation merely, but by direct comstitutional inheritance."

The sal truth is seen among the living and the drat. "Our fathers have simed, mul are not; and we have bome their inignitim." The silver lining in the dark elome is, that althomern this heritase may desend to the thime of forth semation, the laws of health re-asert themselves thonghont all time to brime orer arte ef confusion. Did this upwam tembency mot exist, we might Aemair of mankind recovering a lost estate, hat it is an incentive to sirtue and well-doing that evor strugers to gain the mastery, and every victory wom are inlluences which not whly eavier tri:mples in the future, but they also remove stmmblingblocks out of the way of those who eome after.
-I Ir. Elan truthfolly says: "In one we have an imphlive nature, in which, beween the inlea and the act, there is searedy an interval ; in another, the promemess to yield to temptation of any kinf-a feehle power of resistane, inherited either from the

 wilh: in a fifth, or in all, a comscomee ley nature on halit torpial, anl all but dermant. All these are the nomal bepmentative of an unsoume parentage; and all are petmelicelly the parent- of an whomel progeny; in all is momal liberty weakneal: in all is re-- ponsibility not anabohte hat a relative inde."

Dr. Oliver Wemlell ILomes pithily aml ironically put- the prosition of human julgment in this way: "It is singulan that we recegnize all the borlily defects that untit a man fon military wsier, and all the intellectal ones that limit his ranse of thon"lit ; but always talk at him as though all his moral fowns: were jer-
fect. Some persons talk about the human will as if it stood on a high look-out, with plenty of light and ellow-room, reaching to the horizon. Doctors are constantly noticing low it is tied up and darkened by inferior organization, by disease, and all sorts of crowding interferences, until they legin to look upon Hoterntots and Indians-and a grood many of their own race, too-as a kind
 termination; and they find it as hare to hold a child acomatable, in any moral point of view, for inhritel hal temper or tomberey to dronkemess, as they would to bame him for inherited enom or asthma. Eatelo of us is only the tooting-np of a donble columu of figmes that goes back to the first pair. Every mit tells, and some of them are plis amb some mions. If the colnms donit adde up right, it is commonly lecallse we ean't make ont all the figures."

Ribot, an eminent French anthor on hererlity, alleges two canses as anomer the chief at work in eases where the latw of transmission does not ohvionsly manifest itself. 'The finst is the disproportion of an initatory fore to the amomat of anory it may liberate or direct, as in the slight agences be which fires are lit or explosions set off. The aceidental surmomingsof a mother before the birth of her child may alleet it for lifie in a way altogether dispropertionate to the forees at work. The secoml canse which often tends to olscome evilence of heredity is the tramstomation in development of chameteristies whin are the same at root. Thas, a consmptive father has a son who sulfers from rhmmatism or paralysis. Here the transmission has simply been that of a feelde constitution which gives way in the first ciremmstances of severe trial and takes these or kimbed forms.- , sicience Mouthly, Janmary, 157!.

A very superficial stmbent of the hmman constitution camot fail to observe that althong there is this tramsmiter general uniformity, there is also a striking liversity. The sameness has been contimed at least dmeng the historic, and even prehistoric times. If Cuvier is to be believed, eats, doge, apes, oxen and many kinds of lime foums in the catacombs ane similn to those of our own day, and the Euyptian mmma of a man of four thousand years ago does not difler in stroneture, outline and propor-
strool on a reaching to is tied up all sonts of Hottentots -as a kime of solf-ule(cermutable, ar temberey tell wout or - column of tells, anl timns don't out :all the

Illuges two (w) of transis the disrey it may 4s are lit or wher befion altonerther allse which isformation we at rowt. " rhemmatwell that of mintancen of ce Alouthly,
tion camnot toll general mencss has pehistoric oxell and lir to those an of tour and proper-
tion, from the man of to-tay. This mehanged general sameness is interesting, in shewing that with fair play nature will be trine to its original. It is the futile effirte of this original power to reprodnce its like, because of relnolliom in its domain, which causes the anarehy in this confenderation of forees. The engine may loe well constructen, amd able to generate mulh steam, but if the safety-valse is langerouly poised, the governor improperly hung, and the balance wheel out of proportion, the strength of the engine is greatly wasted amb imperlen. So in man each one is emonolled by diffrent forces expmulen in varien ways to the disalvantage of the motive power. The influence of this law might be put in this way for illustration. It may be sulpmend that three culprits were selected at random for committing a like arime moder precisely sianilar circmustances. Whe it posible for us to get hehind the extermal acts and see the motives and tombencies which impelled cach, it would be fomm that no two did the mulawfin deels mater exactly similar impulses. Asoming 100 to toe the stamdard of an momal man, it might be fomen that the inherited promsity of each to do exil would he hypothetioally $82,76,40$. The resisting power of each againe the doing of certain things, and the impelling monentmo of volition to for others lianetrically opposite, might he sumped to stand in some such relation. It follows, then, that the crime of him who had the more puwerful stimulus for gool, and the less comstitntional incubus to deter, womld, in the ege of ambiscinnec, he monel more guilty than the poor creature whase volition wombla be bargely
 know. This ineprality neels margument to prowe it, for in a greater or less dugre it enters into the expertence of everyone. Law deals ont to the thre cymal penalties, their intliction leing based on external acte, yet their actual guilt womblempamatively be very mergal. For the last year amb a half an epridenic of murder and other atrocities have been sweeplug over this Province, and any one who has inquired into the history of cach transgressor of law will be struck with the different eiremintances which have survoumbed ach, anterime to the perpetration of the crime. The family history, the efucation ly precept and example, the wilfulness mucmed, the vicions license mosestained, the
natural perversity, and the inherited tendencies so diflerent in each, shew how much me man has to contem against to resist erime more than mother, and to what extent the joulgment and moral sense of each is warped by these undentying forces.
(Go just alike, yat each buinvers his own."

It is easy to be umderstool then, that if matmal traits are this so readily reproduced in oftiprings, it needs no stretch of imagination to conceive that the same law in operation in disease means the deterioration of the whole man in homself and his suceossion. There is a lineage of disease as troly as there is a legacy of health, there is a berfuest of moral or immoral gualities as surely ats a devise of mental excellency. Dr. Dughale, of New York, tracend by reliable records the individual history of each of the descemtants of one Marsare dukes, throughout six gencrations, and from this mother sprang 709 persons, arery one of whom were either idints murlerers, thieves, robbers, or prostitntes. Criminal statistics are full of such examples. The same temberey to procreate its kind in certain forms of disease is seen on every haml, especially in hatic asylums. This persistent promeness would soon become extinet if its comulative and exciting eanse would only cease; because the humansystom is always struggling towards health. This vital eflont would in the ent compler the enemy by "a survival of the fittest," were it not for the constant reinforements: of weakly aequired or inheritel eonstitutions, bromght into existence by ill-assorted mariages, vicions halits, fast living, and general violations of the laws of health. The epileptic, the consumptive, the scrofilous, the syphilic and the insane mary withont knowledge or reflection, and, as a resnlt, fill oun hospitals, asylums and prisons with their degenerate progeny, or begneath to them a broml of ailments which makes a fruittul soil for a erop of deteriomated constitutions, which to the mhappy victims of parental folly, makes life not worth living tor. V'The lower animals, are carefully assorted and mated because it pays to raise superion herds of domestic production, but no pains is taken to elevate, emoble, and improve physically, mentally, socially and morally the human race by taking rational steps to eradicate this evil. Morality rightly formids law to interpose its arm in this matter,
diflerent in unst to resist Hgment aud rees.
aits are thus of imagimaisease means is suceession. cey of health, - surely ats a York, tracoul desemulant han from this, (ither idiots hal statiaticu procreate its mid, esjectially soon become only cease; rarts health. $y$ by "a sullinforcements hit into axistliving, ame ptic, the comusane mary out laspitals, , or bequeath wil for a crop y victims of ower animals aise superior in to clevate, and morally ate this evil. this matter,
becanse of the freedom of choice which mast be allowed to the suljerect, but here is a plague spot to root out, against which moral suasion might be used with goord eflicet. It womld be startling to nay how much indicreet mariages lie at the root of onr social vices and national sins. The friends of humaty-more especially parents-might by julicions alvice and diservet exposmre of eonsequences following rash selection, do more for thrir children and gencration yet undom, than were they to andow them with the richest legracies. The heathen Chinese reward the parents of great men, thes having reqard to this liaw-we shower honomes on, it may be, their worthless descemdants.

Burton in his "Anatomy of Melancholy" says, "In giving way for all tomarry that will, to, much liberty and indulgence in tolerating all sorts, there is a vast confusion of treeds and diseases, no family secure, no man almost free from gricrons intirmity or other when two choice is had, lout still the ehdest must marry; or, if rich, he they fools or dizarals, lime or maimed, mable, intemperate, dissolute, exhanst throngl rion, as it is said, they must be wise and able through inheritance; it comes to pass that our generation is corrupt, we have many weak persons, buth in body and mind, many feartul diseases raging among ne, crazed families, our fathers bank, and we are likely to be worse."

Espuirol says that hereditary insanity exists among the rich to the extent of one-half, and among the poor one-thirid. One of the superintendents of the Bicetre has investigated this matter for a number of yeare, and he believes that in the agregate at least seventy-five per cent. of cases of insanity arise from this cause, Several eminent jurists go farther, and say that all eases must have a hereditary tendency. These are donbtless extreme views, but they shew how strongly impressed acute observers are with the wide-spread influence of parental transmission, too often arising from ill-judged aliances.

Dr Wimn, an English !hysician of note, who has given a great deal of attention to this, sulject, summarizes the great jeoparay those run who thoughtlessily form marital alliances, without having respect to these laws of descent:
1/I. If there is a constitutional taint in cither father or mother, on both sides of the contracting parties, the risk :s so great, as to
amome almost to a certainty, that their offspring would inherit some form of disease.
[I. If the constitutional taint is only on one side either direct or collateral though melos or annts, and the eontrating pratios are looth in goon botily health the risk is diminished one-half and healthy oflapring muy be the issue of the mariage.

1LI. If there have been mo signs of emstitutional disease for a whole generation, we can sarcely consider the risk materially lessened, as it so freprently reappears alter being in abeyance for a whole generation. If two whole generations have eseaper any symptoms of hereditary lisease, we may fairly hope that the danger has passed, and that the mondific foree has expended itself.

It is a pity that the senseless modesty of this prudish age forlids the nse of the plainest language, and the most pointer epithets in tealing with this telicate suljeet. The publie attention is mot sufliciently directed to it. TWhe physical, mental, noll morai wellbeing of society, it seems, must beeme secondary to the moms which bring wealth, social position, and worklly honow to an illmatehed pair. 'This fomblness of shodly amd show, of tinsel amb tawdey, of pelf and power, sinks all other eonsiderations; the coldhooded contracts, the wily conspiracies, the well-laid baits to entrap heirs and heiresses lecanse of, and solely for, the well-fillol purses, would give abmulant material for fhe saldest chapter in the worid's history. Many of these perquisites are not to be despieder, were onr sulpaet-matter made the lirst article of matrimonial law. next to pure atfection for a worthy object.
Kit is not to be forgotten that important as physical localth is, soecty needs other conditions than the purely borlily and intellectual to ensure happiness. The emotions, desires and allections, must be taken into consideration. Their controlling power is great, and, if well directed, benefieial. Unfortmately this is not always the ease. These, in active exercise, often spon alvice and brook no control. Affection will not wait to calmly consider comsequences. Emotion will excite the most wary at times to do illalvised and hasty things upon which hinge untold results. Cupid is blind, and reason is too often thrown away on his equally sightless followers. These impulses are often among the sweetest experiences of hman life, if guided by diseretion and julgment.
ould inherit
either direet cting parties onc-hall and disease for a : materially reyance for : eseaped aly it the langer itsolf. lish :ure forsterl epithets ntion is mot moral well, the momoms ,ur to an illof tinsed and nis ; the colldaid haits to le well-fillal hapter in tha , be despised, -imonial law,
wal health is, ly and intelad aflections, ng power is $y$ this is not In adviee and consider comnes to do illsults. Cupide (fually sight the sweetest ad julgment.

If such were always the ease, much misery could be avoided and many sorrows unknown. The world is a vast hospital to-day, and will be to the third and fourth generation, principally because of ill-aljulged marriares, with all their dread heritare of misery. The redeeming feature is, that when such mions take place judieious living and intelligent obedience to nature's behest may do much to avert untowarl results to themselves and their posterity, The vitiated system alway; makes gallant afforts to recuperate from its fallen conlition, if secoluled by intelligent conduct and habit. /If the combustibles which are consuming vitality can be quenched, the fire would soon lie out for want of fuel. The other alternative is extinction becanse of the hyilra-headed diseases which follow in the train of marriages begun in folly, continued in vicions riot, ruinons indulgence, and ending in life-long misery, an early grave or insanity. This is the rule; let not the exception lure to risk exemption from a general law. The results are too momentons to be lightly considered, and strong affection alone will not be an excuse for a dangerous experiment. If such a choice and consmmation will overcone all such formidable obstacles, then is it a Christian duty to so live that the avenging sword may be turned aside by that temperance dí life, that moderation of desires, that reasonableness of conduct which may, to some extent, sheath its keen edge or blunt its incisive sharpness for all time to come.

## Worry in Life.

Worry in business or other anoyances, whose name is legion, cause loss of appetite, want of sleep, restlessness, nervousness, general physical prostration, low spirits, ant all the brood of ills which flow from them. One member of a family leing in this condition and who carries evidence of it in his face and conduct, will unsettle the comfort of all with whom he comes in contact. It need scarcely be said that the probability is, children of such a family being possessed of a like organization, which was possibly at one time evanescent, but now fixed, will by inheritance spread the evil influence. These depressors of vital energy may drive the possessors of these active agents into insunity, even in the first instances, or what is more often the case the parents thus affected
mary beget children with an insane tendency. The excitement of dirathiness, vicious habits, intemperance, or fast living become then ian wheld only the burning mateh east into a magazine in which the expliowive powder needs only this condition of excitation to ronse lembut power and spread wreek and ruin. This canse of insanity io mueh creater than is gencrally imagimed. When the history of phaients for whom ahmission is askel, and given by frienls is whmerl, the answers to the questions as to insanity anong relafifures are often found to be evaled, unless the eases had berome so fibanly sum, that concealment would be of no avail. They will vialily acknowledge that such and such relatives were "eceentwite:" or "queer" or "odl," or "untsually susceptille of strange whmons tmens," or "violent in temper withont canse," and a dozen whiner phrases equally equivocal but significant to a stment of pildysical conditions and psychical results.

Pry eross examination of friends, it is often foum that many wheli in collateral branches have evidenced at some time loss of mental equilibrium to a greater extent than the official loemments auter. It wonld be safe under the Asylnm Retmons on Hereditary Unemity to adil at least one-fourth more than is usually done. It if oftern not difficult in these inguiries to trace the first fruits of thiik terrible malady through the conditions brought about from nat high pressure eivilization. The race of life thronghont the mond adranced countries of Christentom in the periodie bnsiness urtheravals; the sacrifices of necessary comforts for show and para whe the hot-house growth in forcing unduly young intelleets; the exeiting trade and professional rivalries; the periodic political weritment; the donestic troubles; the vitiating pobiie and privane offioneres against physical law, and the cometless artificial modet of life, drive myriads of the best and the worst citizens into inswaity. Many might have avoided this untoward result by the aplinary excreise of prudence, but others have a life-long struggle aphinst the budding of that fatal seed of constitutional tendency, whieh only needs such farourable conditions to fuctify in the Wharl, bringing disaster to themselves and entailing the like pronemese to the innocents who may come after them, even to the third and fourth generation.

The canses of worry are many in a civilized community, with its
itement of coome then 1 which the on to rouse ff insanity history of friculls is mong relabecome so They will re " cecenof strange nul a dozen stulent of that many ime luss of doemments Hereclitary $y$ done. It st fruits of about from ughout the lic business w and par;intelleets; lie political e and privficial modes ans into insult by the ng struggle l tendency, tify in the like proneoo the third
ity, with its
conventional usages, and which are not known in savage or semiharbarons life, A man is wealthy and his family is smmomed by all the display and confonts which money can give. By business reverses his riches are swept away in a day. The shoek to womded vanity from the deprivation of luxnries and the loss of social easte topple the reasom over in some mentally weak members of the fanily. The expuinites of the lome l)mulreary style, or the belles of fashionable circles time their sompe of revenue for frivolities sudelenly ent off; and thas mexpectedly become deprived of their only heasen upon eath. The light head is stagrered at the posibibitios of poverty and its train of mupleasant experiences, These buttorties of the smshine cower before the storm, and having in too many instances no reserve foree of mental stability to withstand reverses, become monose, gloomy, cynical, melancholy, or finally maniacal under the trial.

The bold speeulator risks his all on an expected rise in stocks or in a eommereial renture, and possibly loses both fortune and reason. The miser hoards up his walth throughont life's best years, wifeless, childless, frimelless, aml often in the last stage of his cheerless history becomes changed to a reckless spuanderer, to the ruin of his treasure and his wits. The momomania of useless saving is followed by the senseless expenditure of what was once treasured $u p$ for the love of $i$. The man of powful physique and active brain, who never knows what it is to feel tired, keeps all his energies at full pressure throughout the hest days of his manhoorl, suldenly feels languor, sleeplessuess, nervonshess, irritability, and low-spinitedness come over him like a bird of evil omen. He is startled at the change, and may halt in the midst of his feverish haste to reach the groal of his ambition, thereby saving himself, or make spasmodic eftorts to only bring ruin on himself by the vain attempt, when rest is the eure.
UThere is a pregnant soure of mental and physical deterioration which, in a secondary way, serionsly affeets the adult population as well as the youth of our land. It is the senseless mental overstrain to which the school-children are sulgected. Any one can pereeive (if such will take the trouble to look) how this is brought about. An examination of the list of studies required of ehildren and youths up to the age of twenty-one and beyond it in our
schools and universities, shews that no young ant growing brain can overtake the work laid out for it withont great and permanent injury to this delicate and complex organ. Children are put in the worst ventilated houses which ean be found in the eomery, and these tos often are literally erammed with them. In this fonl air they must stoly for hours at a time. Evening brings no relaxation for them, becanse a task neething several homs' stmity most he done before bed-time, or early in the morning, and this beemess a dreary minviting rombl "from weary chime to ehime." Besides the four clementary stmies, a smattering of almost every other branch of learning is reguived from mere children. They suceessfully or vinty enteavour, aceorling to their strength, to overcome these daily hurdens and ohstacles to health, ly a eonstant effort which produces mental tension. The result is, many never reeover from the struggle luring the remainder of a bengthy life Night and day, exeept a few hours of sleep, from the age of seven up to manhool or womanhool, the suseeptible and tender bran is on the rack, and this stran is at a time when only moderate exereise is healthy to this impressive organ, The brain must, like the rest of the bows, in its early days gather tone, filre and eapacity, for the great struggle of life, The youmg are not permitted to do hard manual work heeanse of the tendemess of the borly, matil matmity is almost reached, but the most important organ of our physieal system is urged onwards to the utmost extent of its powers from habyhood upwards. The weary head is filled with all kints of knowletge, which in former times was wisely jutged to belong to the colleges. The small hill of science has become a veritable Andes, over which all young scholars minst climb to reath the groal of certified proficiener. Not only so, hut the bias, diversities, and natural aptitules of individuals are not provided for in youth. The same programme of studies is laid down for all. One may have a facility in and a liking for mathematies, another for elassies, a thirel for natural philosophy, and a fourth for mechanies only, yet no provision is made for these differences of mental constitution. A partial solntion is attempted in our colleges by a system of option, but this plan to meet this difficulty does not exist in the lower grades of learning. It needs no prophet to see that this hot-house growth, in a foul
owing brain nd premmurou are put the romitry, In this foul is no relaxwiy must he his beemes to chime." hmost every Aren. They strength, to , by a conwilt is, many of $n$ lengthy rom the ag. we and tene when only Tlue hrain er tome, filse mug are mot tenderness of most impor;o the intmost e weary heal er times was nill of science seholars must tonly so, luit duals are not udies is laid ng for matheosophy, and a de for these is attemptel plan to meet learning. It th, in a foul
atmosphere and a miform sytom of fored training, with long hours of stud!, monn moromsuss, lassitude, juriontic hemaches, a lax, prostrated phesienl and mental system. A temence to and an invasion of insanity may emb the ehapter of hlumbers, expectally if a hereditary predisposition exists. A visit to any of the schools of 'Toronto needs only in made to comvine anyome that the thaby muscles, bleacherl fares, weak and fluctuating pulses, languid mowmonts, evon in the play-gromel, and the wery attempts to learn lessoms, are not much like the hoyant respunses of nature in healthy children. Surl are the remprative pewers of the hooly. that it will in a majority of rases eome oft victorions agninst a legion of surh foes, yet, an alaming section of the rising generation thens wheated cary into after life, in some form of nevens or brain disurder, the efleets of the prevailing ignorance and persistent efflents to prome a precocions race by a short cut, amb this in spite of minal remstitutions. As a rule, the chidren who carry off all the prizes and we pointed to as morlets by ablmiring friends, are tow often taxing with compoud intere t the present at the expense of the finture. In this age of widespread knowledge it is vain for any one to attempt to wertake even the outlines dming an ordinary lifetime, and it is far better for ordimary mortals to serk "xerllency in a fow things, than to injure health he a vain attempt to acpuire universal knowledge." Z It is not to be forgotem, however, that want of moderate mental exercise is as doleterions to the brain, as is want of phesieal exertion to other parts of the body. Slothfulness may not he so proluctive of hrain disase as wer-work is, get it will lead to many complications emolucise to ill-health, and this weakening comblition is always followed by a hrool of tronlles. Laziness and constant conse is not that mmixed grool so eommonly supposed. It is far better to wear ont than to rust out. Morlerate work leads to health; illeness lecrets nervonsmess, want of sleep, loss of appetite, a flably constitntion, tyspepsia and all their train of mental depression and melancholy, just as worry and overwork will. Dangrer always lies in the extremes of everything. Osgood has truthfully simg:

[^0]It is the harmony of man in his whole being with one accord keeping time in acemplace with naturnl $\ln w$, which brings health. The penlulum of life must evor swing, but it is for as to see that it cibrates noither too liast, too far, nor too slow. Dr, O. W. Holnms says: "On! hrains are seventy- your eloeks. 'The angel of lifa wint them up oner for all, then chase the case, and gives the key into the hand of the Angel of the Resarreetion." Many of us drive this time-piece mach faster than the Maker intembed, and bong before these vears have passed owe our heads our own follies and viees have put to "siltnee the clicking of the terrible escapement of thonght we have enriod so houg heneath omer wrinkled foreheaks." The elergman who storlies, writes, speenlates and puales his heal day after day owar theokgical ingmas, becomes a bleachol, dyspeptic, nervons invalid, ineased in books amb within the fom walls of a ghomy libary from yem to year without fresh air and proper exereise ; such a man is an meonscions suicide at midelle ate or at least a contirmal hypochondriace. It is called a dispensation of Providenere, when its propror mume would be self-destruction. The lawser hums his midnight oil orer law books, and racks his bain for argmonts to sustain a client's canse ; the bank cletk tmons himself inter a caleulating machine and fire a life-time comentrates his thourhts on colmons of tignes; the medical man thronghout a labmions life of practice is at all homs-hight ami lay-anxions abont some critical case on his hands; the morelant watehes his sales and the markets every day with feverish anxiety; all classes in the homay scurry of life are shortening the lifetime hastening the clock's movenents. .d eandle which is homing at hoth ends is soon consmmel. Poriodic rest is the curs.

When considering this matter of high-pressure living it wonlal have been interesting to know what clase of the commmity suffers the most.

In looking over and tabulating Asylum returns to ascertain if the rum population were as sulgiget to insinity as were those of the towns and cities, in the latter of which exister the greatest mental activity and lmsines anxiety, it was fomm impossible to form a just estimate, on accomit of the unepual distribution of Asylum Districts, from which the insane population were
one accoril nges health. us to see 1r, O. W. 'he angel of II gives the

Many of inteniled, ds our own the terrible eneath onl rites, speencal dugmas, ed in books ear to year an uncon-hyprehon$n$ its ${ }^{m}$ is midnirhtht : to sustain a , calculating on columus lite of pracomu critical nd the marI1 the hewary y the clock's $\checkmark$ is soon con-
ing it would mumity suf, ascertain if were those of the greatest nI impossible 1 listribution ulation were
drawn. Some Asylums were only for cities, and exclusively for panpers. In these localities the rich and well-to-do are sent to private or public paying Asylums either at home or in other distriets. These eonsequenty eould not be eonsidered in the estimate acording to population. Other Asylums daw their popmlation partly from the city and partly from the comatry, of ten largely trom the one or other. Ju the retums male of the resideney of such they were often fomm to be lallacions liecanse of ignommee, negligence or interest. Eien when the whole returns of all the Asyhme are taken, they are matisfactory, becanse the purely agricultuma class is the only one on which could he hased any reliahle data. The comotry merchants, mechanies, professional men, and such like in stmall towns and villages eamot be properly chassitien ats rus ', amberen if this were dome, on acoment of the migratory nature of manyof these inhal hitants being at one time of the eity and at another of che eomatry, mo correct estimate could be make. The competition anong them is equally shapp, and canses as many ansieties as of larger commmities, hence no fair comparison with purely eity population ean be calculated with an approximate degree of certainty. For example, Toronto cannot be fairly chargeable with all the insane who are fomd within its borders, for, if so, abont one-thire of all the insane phet in this Asylum since its opening would have helonged to this city. While this is true, an approximation can be made, and as far as ean be julged by averages, it seoms evident that the cities take the lead in this respect, and wherever fomb, those who are exposed to great mental activity arising from any form of trouble, social, domestic or fintucial, are very liable to insanity, other conditions being favomable for the invasion. Reasonable exercise of boly and mind is healthy, but it is the over strain whieh binges premature physical deterionation and mental deay.

## lytemperance.

In my Report of last year it was found necessary to take a stand against the extreme and weakly supported views of amateur medieal converts, who condemmed in toto the use of alcohol as a medicine, and at the same time were loud in their praises of far more dangerous drugs. My opinions were asked for and freely
given, because experience had tanght me in the practice of both methods during twenty years how bencficial spirits were in the treatment of some diseases, and how preferable they were in many eases to opium or hyilrate chloral as a selative in such forms of insunity as melancholia and acate mania with exhanstion. It was shown how illogical and, in medical experienee, fallacions to extract proofs of the chemieo-physiological eftects of alcohol from its action on heolthy persoms. Of course those medical men who use it in any ease, in any form, or in any regree, canot condemn it as a medicine, and must allow each physician to use his discretion as to the when, why and how. The statistieal and other proofs adduced were shewn to $\mathrm{l}^{2}$ overwhelmingly in favom of spirit treatment.

At the same time no one can ignore the evidences seen on every hand of the terrible effects of dronkemess, and the had results which flow from the drinking usages of society. Like anyother drug it is not only not necessary in health, hat injurions. So well person is in need of any snch leverage Its ravages are seen in every community, and the victins who are tied to the chariot wheel of this dominant appetite, like willing captives leing led to destruction, can be counted by the millions ammally. The misery, degradation and crime of which it is the tirect canse is appallitg. One result of its deleterions effects is insanity: not perhaps to the extent we are led to believe, but it is a sutficiently potent factor to alarm any who have the well-being of society at leart. From childhood upwards we have all heard platform orators give statistics of such fearful signifieanee on this point as would make the youthful mind shodder with horror. It needed the ohservation of after years to modify these views to some extent at least, and credit to fervid cloquence, joined with good intentions, mueh of the over-wronght exuberance of these well-meaning social reformers. The truth is bad enongh withont embellishments, and no great reformation is ever adrancel by exaggeration. Vone of the chief argments admeed was, that at least three-fomithis of all the insane became such from drunkemess. Opinions of distinguished medical men are continually quoted in support of this, statement. Few statistics are given to sulistantiate this view Anxious to reach the truth on this point as far as Toronto Asyiu'n
ice of both were in the cy were in such forms anstion. It fallacious to alcohol from al men who lot condemn une his dis1 and other in favour of
seen on every : bad result nyother dris No well perseen in every cot wheed of fled to desThe misery, a is appalling. perbaps the the potent factor heart. From tors give staould make the e oherration it at least, and tions, much of ring sortial relishments, and ation. $\begin{aligned} & \text { Gue of }\end{aligned}$ e-fourths of all ions of distinsupport of this iate this vjew Coronto Asyiu'n
is concerned, every name and cause of insanity since sian-rh 1st, 1873 , to Oct. 1st, 1879, have been examined in respect to causes with the following results. Mypredecessor, Dr.Workman, carefully checked offall the admissions up to 187.a, and the almissions of the years since that have been individually noted to the present time. Xothing has been left to guess-work or averages.
There were admitted into the Asylum from July 1st, 1853, to Oct. Ist, 1879-3,837 patients. Of that number there were classified in their histories:


It will be seen that 9.48 per cont. is the proportion of drunk-ards-reported as such-to the whole population for this long perionl of over twenty-six years. It is, no dombt, true that among those in whom the canse was said to be unknown are some who trecame insane from the immoderate use of spirits. Yet, as an offiset, many are reputed to have become insane from drinking, in whom this intemperance was only a result of the disease, and not a canse in any sense. The first indications might be an intense craving for strong drink, and in this way the erndition of such is analogous to the victims of pyromania, kleptomania, and many other manias well known to students of insanity. Tuke -ays: "I have calculated the precentage of cases caused by intemperance in the Asylums of England and found it to be about twelve."

Taking for granted that the proportional estimate, hased on our returns, is approximately correct, it is a serious factor anong the cantes of insanity. 'len per cent. of all our insane sent to madhonsea by reason of undue indulgence in that which is worse than uselegy to a well person! What is to be done to stop this growing evil? Moral suasion has done much to mould public opinion in favour of total abstinence; but influence, 'wturing and example will never eradicate entirely an active vice, fostered by law and pampered by social usages. Ciremmseribed local prohibition can If little, because of the impossibility of efficiently enforcing the lax in a small section of country. General prohibition can be
the only radical enre, if properly enforeed. Unfortumately, Canada is, geographically, badly situated to carry into effect a prohibition law. From ocean to ocean om settled portions are virtually a thin line on the margin of the United States, and messs our neighbours alopted the same law, it would be impossible to enforce a statute which would be so olmoxions to a very active portion of our population, and the violation of which, along our extended inontier, wonld be a paying speculation to the thonsands who would respeet neither law nor morality. In the memtine, we have to deal with the drmokards who are in our midst. Lumatie Asylums are not the places for them, and costly retreats, into which the poor cannot find refuge, will not meet the exigences of to-lay. Hereditary drumards must have the curse removed from them or they from it. The former is not likely to be done at present; the lattermay he earied ont muler (Govermment supervision. The reformation of sneh is not absolutely hopeless, hat the chances of recovery are not many; $y$ ot it is the dhty of the state to aid such in their efforts to reform, and if this be impossible, then it is equally incumbent to put them ont of the way to injure themselves or others. There is sreater hope for the chonkards of acquired halits, and if all such, who had theome habitual inebriates, were, by law, confined for at least one year in a hospital provided for them, a goolly pereentage might again beemo: valuable eitizens and useful members of commmity, with strength of will to resist the besetting sin.

Nor is the immediate injury done ly a drunkard to himself, his family and community the worst feature of the case. What was in him an acquiren habit often heromes in some of the children a disease. If a child inherits to a great extent the constitution and indivilual peenliaritios of one parent, with no strongly manked traits of the other to comnterbalance them, the probabilities are that dipomania will be the lot of some unfortunate member of that family not thas protected, unless moral influence and early habits of abstinence have kept in eheck the sleeping demon. We see those ohjects of pity in every commmity ; they may not drink incessantly, lint, like other forms of intermittent insanity, the paroxysms come on at stated times of more or less duration. Between these out-
ately, Canleet a pro11s are virand umless possible to $\therefore r y$ active , along om e thonsands meintime, ist. Lumaetreats, into exigences of moved from done at presupervision. , the chances State to aill ile, then it is nime themlrumkarls of ablitual incin a hospital grain heeome with strength
o himself, his case. What some of the at extent the parent, with ounterlalance he the lot of us protected, stinence have ase olyjects of cessantly, lint, ysins come on en these out-
breaks little or no desire for strong drink may prevail ; there may be even lisgust, and for months no great craving may he felt. At last it takes possession of the man, and when such is the case nothing short of personal restraint could stop the debanch. (Shame, self-respect, loss of position, pecumiary waste, the influence of family and frionds, deprivation of social stambing, nor any other motive will have any potency to stop sueh an one in his mad career. He is prepared to hecome a pariah, a slave, a serf, and do the meanest and most menial things, if drink camot be procured in any other way. Looking at this vice on any of its sides, every well-wisher of society must be struck by the enormity of its evil. The police-court recorls appal when we see the mmber of "drunks" sent to prisom in all our cities. The periodic Assizes record the cames of many a dronken maniae. Thtold households have secret histories of beloved members who have been led to destruction by the fascimating cup. This upas tree grows luxuriantly in our soil ; this suren sits at the strect comers and lures to destroy. Ten prer rent. of the immates of our asylums are the vietims of this subtle areney of incarnate deviltry. Are there never to he any merey-drops from this lowering elond? Is there never to be cast a pencil of light across this shadow from the dark mountains? If



[^0]:    " Labour is life : 'tis the still water faileth : Idleness ever despaireth, bewailoth:
    Keep the watch womm, for the dark rust assaileth;
    Flowers droop and lice in the stillness of nom,
    Play the sweet keys, would'st keep them in tune."

