## ABOOT ALCOHOL HEARI

 F YOU HAVE ONE YOU'D hol Not Alwayn Insurions-Tp to bo Well io Give Aleolitol a whic Berthe 1s used by phycioisns to describe an ailmen aities. The pablio probsbly usually under stande by the expression generall, manifested by a quavaring or flutering o the heart, and due to excessive cose correct a ar as it goes, but io does not oxperiment recontly performed abroad by T. Sauder
Brunton, Fellow of the Royal Society, it ther anmasthetics, has a pecculiar effect o ther anmethetics, has a poculiar effect ore
the heart. This offect is not generally nderstod by physicians.
Aicohol, ether and chloroform are all o much unless you know precielly what
neant by the word poison. Almost ever substance may be suid to be poisonous
out take enough of it. When doctors ue the word poisonous they mean that the ody having that quality is an enemy
the body of man. If pure alcohol be poure into a out
and burn
LIEB A RED-HOT TRON,
while it will coaguiate and kill the
blood, musole or any albuminous tiseues, rendering them hard and unfit for th
fonctione of life. This hows that pur
alcohol is a poison. If you mix a littil alcohol is a poison. If you mix a litit
bef juice with alooool the whole of the
ale albumen, one of the essenciat oomponents
of the beff, will be preipitated or separ-
ated from the juico, and depositited on the
athe bottom of the thie experiment has also bee tupposed to occur in nerve cellis. The
anazsthetio, or benumbing quality of alco
hol, has been supposed to be due to ith sauting a oort of coagulation or congestio
of the nerve cells, or, at any rate, uch
change in the substances composing the change in the substances composing the
is to render them suggish and incapable o Those who have taken pure alcohol into
the mouth with a view to cleaning out pipe or for any other purpose haveno doub
experienced a very disagreeable seneation as if they had begun the operation
swallowing a quantity of liquid fire. The action of the alohoi oritates the membran
brane of the mouth ir
it the cheek and makes it turn white by anusing a audden hardening or coagulatio
of the albumen it contains. If chloroform oould be uased instead of alcohol the
experimeuter would have 11100 former, for it not only causes muo
the for greater irritation but much more rapid
and excoessive whitening. Even when
applied to the exterior skin of the body it enuses a similar whitening. applied to
 pididermis, or outer covering, a anasation
pxperienced like thal which would be caused by contact with a red-hot iron. If alooha
be applied to the gkin and itg evaporation
be be prevented be
will aliso canse

This is sill more marked in the oase of
ohloroformand the burning may becoome so
painful that it can hardiy be endured Al
tneese experiments show that pure alcohol a ponson. instaad of putting liquid alcoho
li, now, or chloroorm in the month the vapor only
is inhaied or if the eliquaid bo swallowed in
a diluted form no pain aud no whitening will result. This is a very important and a
very fortunate circumstance for those Very fortunate circumstance for those who
use atrong drink, for if alcono ohould have the same effect on the membrane when
diluted as it does in an undiluted form it
dionld inevitably cause death. Alcohol, other or chloroform will destroy any of the
tibsuese if applied in in concentrated form,
but when diluted will act rather as stimulant and will produce no marked
injury. When chloroform injected into
 board. When injected into the heart the
musoular substance of the organ wil be
coagulated and ite motion guspended coaglated and ite motion suspended or
arrested. These heart oxperiments are
osually performed upon froge. After a frog uaually performed upon froge. After a frog
hase been preperiy cut open its heart may
be easily seen to beat for a long time before The effect of owallowing diluted aloohol
is much the same as that caused by inhal. manifestations are concorned. An overdose
of diluted alcohol will cause iusensibility, and the same is true of the fumes oo
chloroform breathed too reetly. But the sensation bet ween a state of perfeet sensi-
binity to one of ingensibility in more or loess
stimulating. The diluted aneesthetic does not have the peculiar power above
of coaguating the blod and hence in
fering with its proper functions. fering with its proper
quentiy, when the bio
sufficient quantity, the


 Klow presuare may be useful instead of
injurious in the oase of of foebie heart ty
liessening the reaistance it has to overcom. The action of alcohol on the heart in
quite well shown by means of an eloetriciond
instrument which is fittod to the body and


 Therotore, instead of terding to stop the
ation othe heart, aloonh, ingomuoh an
reducea the blood prosure, aotuall| give

and frequanenly. In a normal case, then, the
administration of an anaesthotio, or the the
walloving of an al soholic beverage, in quite







 coome impaired and is enenequently,
abormaly
litable to the "alcoholio" condition.
Used in Used in moderation, aloohol has no evil
effect on the physical constiution. $W$ hat
effeet it mhe heve offect on the physical heonsid veen in min.
effect it may have when used
ute oise ou the moral temperament is ad
totally different matter. But, considered
 constitution, there is a point bey ond whi
person annot well
go. Beond th
point diluted alcohol becomes \& poison.

## SOMEWHAT CURIOUS.

Divorce
Enland.
Wild d
A Maine mother has an old slipper, atill
use, whing hanked six generatione
Aus, which has spanked six generationa
There is a man in Missouri whose feet
Ther mis
To so large that he has to put his trousers
There is a man in hissoun wis trousers
ore oo larget that he has to put
on over his head. In marching soldiers take seventy- fiv
tepa per minute, quick marching lu8, and
a charging 150 steps. The tolegraph wire used in the United
tatees would go around the world something teates would go
te fifteen time
Pennsylvania
Pennsylvania produces $100,000,000$ tons
of col every year -more than balf the output of the entire country.
When s Enake has gorged itself with as
Large meal, its skin it so tretohed that the A South Carolina widow became her own nother-in-law recently, That is to say,
she is now the wife of her husband'e
ather. More mountain climbers have been ser
iousiv hurt in the Alys this season than
ever before in an equal length of time. A Swiss scientibt has been testing the
presence of bacteria in the mountain air,
nd find that nota a single microbe existi and finds that not a single fect.
above an atititude of $f$, woo feen
A. West Virginia man is so peculiarly A. West Virginia man is so peouliarly
affected by riding on an train that he hau
oochain himeelf to to seait to prevent hia to chain oum of the car window.
jumping out
Wheat oan be grown in the Alps at an in the Caucasub, at. 8,000; in Abysinia,
at 10,000 ; in Pera and Boilia at
 Fruit cools the blood, oleans the teet
and aids digestion. Those who cant ea
it miza the benefit porhaps the mos
 awn ome miles distant. He adjourne
a referred cane to to the car, heard jvidence
en route and grated the petition beiore
getting off the train. Aecommodating Landlord.
A correspondent assures us that he the train. A correspondent assures us that he never
snew that it wae posibibe or an inkikeeper
to be too scoommotating to hig enests
until he went down to Nova Soctia recently
and put up at a pleansaut little hotel in the
counury. The landlord of this hotel laid


 He seemed hardly to have tallen into
Bound sieep when ne hear ida arrific poun
ing at his door. Ho surank up, wid
awake.



## A Morning Scare

Mra. Bings (bhaking her sleeping hus.
band- Wake up, quick! oomething io
wrong Imafraid the house lo on fire !


HOMES OF BRITISH WRITERS. untry and suburban mentances ane
Workoliops of Famous knghth Literary Henk and Women.
Vory few poople know in what part of
England the famous Brittoh writers of the naglan
davy
live. Some information on this anbjeet will therefore be both valuable and neeful.
Ira. Oliphant has her home at Windso Ura. Oliphant has her home at Windsor,
here she has peen more than onee vieited y the Queen, but latterly she has been in
he South of France. Thomas Hardy coasted in the very heart of Wesesex, o whose people he has written so much, and
his house is in the town of Dorohester. is house is in the town of Dorohester,
William Black spende parb of his time at Brighton and part in London, altermating
between the two places, as does Georg

 Tive e great atraction for writers of th
or
odern Parker, ef the City Temple, and the
Cose famous Walter Beant, now. knighted
have built themselves houses in Hampatead Lave built themsel ves housen in Hampatead
Not very far amay on Hampsted Heath
itself is Du Maurier's chatean like houee. eorge Meredith has what is oalle,
$\triangle$ овA
near Dortring. George Giasing, one of the
newer inen. who has,
made great turides of
 of low
Surrey
was
proasi
prosaio for torton, a suburb which ih overy
very mart and inhabite pery lar lar
vhileh
Gissing
novelith,


 be obliged to soale six tiresome tilights of
btairs whenever they came to call on him.
stion
 R. D. Blackmore, the suthor ot "Lor
Doone, ham alarge mansion and garde
at Teddiugton, Luot very far from then at Teddington, yot very far from the
metropolis, where he pends a good dea
more time oultivating fruit then he does in
writing booke. $W$. E . Norris lives Torguay, a town which is aid to have t
weealthiest inhabitants of any place of
ize


## SPAIN'S INTENTIONS.

A War of Extermination to be waged on Madrid despatehes of Sep. 10th ar
being published in Havana. They give th of Madrid, acting for the Government Spain, ooncerning the rebellion in this
ispand. His manifesto is a carefully- pre
ared pared document, and clearly is the Govern-
ment programme under which. Gen. Martinez Campos will initiate his oool-weather
campaign. The parto of Cuba affected by
the rebellion-the eastern end of the island
 or surrender to all Cuban rebels, Marcher-
etoos, and the like. The military organiz.
ation will be full and complete. It will be
 Spain will enter intor the fall campaign with
only one object in view-the immediat only one object in ayaw- of the island.
and absolute subugion on
A mid the many preautionary measures, one wio haver rebels, who need arme, am-
effect on the

 one in
blockad
shipa.

More Machinery and Better Pay. Since the extessive introduction of the
sewing-machines we do not hear of the distreased needle woman at one time so
prevalent. Typuriters get double the
wages they would get as penwriters, and
they do six times as much worl with


 took Samuel Slater, the honored founde
of the cotton trade sixyt-six days to oros,
nd no doubt with great disoomfort and
 better paper can be got for a cent, but the
oompoitors and printers get much higher
pay and have, like the vewapapers, in creased mat.
all throug
benefited.

## 

## ITFERESTIIIG STATISTIIOS

 ONE-FIFTH OF ONTARIO'S TAXESGOES FOR INTEREST.

 Muntelpalitites-some Figures Worth
study 1 na.
The Ontan ain wion iny. .::

## $*$

 menta,Lonans repaid
Lebentures
reic
 2,574,353 2,008,691

 | $4,952,898$ |
| :---: |
| 96880 |
| 813,502 | The Ontario Burea it annual report of

just iesued part VI, of fitsely devoted to the tatistics of the munioipalities of Ontario. Returns, showing population, asseased
values, taxation and the fivancial transeo Asssrs.


 Land, buildings and other pro-
perty, inolucing watorworke,


 brought down to Doe. 31 , i883. $\Delta$ report
publihed laet year thought the figrees down to Dec. 31, 1890, so that the present volume gives the details for three years, as
regards the receipts, disbursements, saseets regards the receipts, townships, 12 cities,
and liabilities of 488 to
96 towna, 135 townships and 38 counties, 96 towns, 135 townships and 38 counties,
or 769 municipalities in all. The Burean began the coileotion of these statiotios in the province for the eight yeare, such totale being classified by townships, cities, tow
illages and county munifipalities. villages and county munisipalities.
as fo popolation. The figures for population are those tak
on by municipal aspessors. The total in
a93 for all municipalities was $1,910,059$, or 1893 for all municipalities was $1,910,009$, or
only 532 in exaess of 1892 .
Th following alitites
Townh
Cities..
own.
oillages.
 The bulk of the incre
the cities for 1893 .

| $\begin{array}{rl} 1,096,984 & 1,148,856 \\ 389,030 & 311,187 \\ 29,946 & 386,42 \\ 130,099 & 36,452 \end{array}$ |
| :---: |
|  |  |
|  |  |
|  |  | Total... м.............

 Aid to railways, a

$\qquad$interest, a.....i..........3,638,384resident taxes,
Mifeellaneouss,$\begin{array}{r}19,717 \\ 1,889,954 \\ \hline\end{array}$
Total.. $\overline{854,879,688}$*The Government
only are shown here.
(a) All municipaliand villages ; (d) counties; ; (e) townshipa;
(f) counties, ictiee, own and villages ; ( $k$ )ownships, towns and villages.
It will be yeen that borrowed moneyb,
temporary and bonded, takéa congiououeplace in the receipts of the municipalitiees,Tbe total aseessed value for all municip.
alitien for - 1893 . ${ }^{\text {was }} \$ 825,530,052$, or
increase of $\$ 318,925$ over 1892. The follow.larb,
paid
Th
on
17 pe


practically exempted,
pn peraonal property
year of $\$ 23,155,121$.
The tax bills ior municipal and school
purposes take another bound, and in ing
the total placed upon the collectors'
tollsecompared with the rate of 1892. The aver-
age per head of municipal popuation
increased from $\$ 4 . .3$ in 1886 to 86.56 in
ind
Townships.
Cities $\longdiv { 3 2 , 5 2 2 , 6 6 0 } \frac { 1 , 7 2 2 , 3 8 } { 8 9 , 0 0 9 , 3 8 5 }$
The rate per head of popuiation in
townhips increased from 83.82 to 84.22 in
this phriod in cities from 89.28 to 81882
nd in towns and villages from $\$ 4.70$ to
$\$ 5.94$.
The twelve cities contribute over 22 per
ent.
cent. of the entire population of the
ince, 3 per cent. of the asesesed
and over 40 per cont. of the taxaes.
.

*.chools, d..... of justice, d....
Adnuinistration of
Refund of moness loaned or
investod,
expenses, a...................7.71,383
Noney borrowed on debentures (face
value) for-

Expenses of municipal gover
Conetrincion workse
cade, bridges, treete, par
Building and other works, a...
Drainage orrask, e...........
Administration of justice, jaile,
$\stackrel{-7,43,355}{829,413,263}$

vincem 848,083,24
The twelve oities at 885 par apita oarry



overrun by rats.
or vermin rakees Pos
the tathand of TroplesThe itland of Tropic, twenty miles south
of the Flordia coet has been invaded byhave ben torced too tee tor thait tivee,
Tropic is three miles long and two mileeTropic is itree miles long ond two mivee
wide and the soil is very fertile, $A$ dozen
gaged in growing vegethablef of on market
George Butler, one of the settlere, tolle






