Fhen the fruit of the tree of knowledge of good and evil s once tasted, we are bound to pursue investigation and critically to exmine even the best gifts. The more minutely we examine the water supplied to this city; the less satisfied we are with it. It has long been in miter of observation amongst medical men that strangers commg to reside in the city for a few weeks are subject to diarrhom with very depressing effects. This cannot be atributed to the climate nor wholly to the bad sewerage, but it is generally charged upon the Othawa water. There is nothing in the analysis of the water by Dr. Sterry Hunt to account for any such peculinrity, at least so far as in organic matter is concerned, and his analysis appers to have been directed to perfectly bright clear water, freo from suspended matter and from organic life. Doubtless the water when passed through a charconl filter is is clear bright, and pure as any city need be blessed with. The wher itself, therefore, is not the subject of animad. ersion.
It is the harge nmount of suspended matter, organic and inorganic-the debris alive and dend-slimy and slippery-the living inhabitate and the dead vegetation to which the strongest exception should he tiken.
On taking a thoughtitul turn the other day around the Montreal Reservoir much more mas observed than ap. proved- he open chanacter of the Reservoir is in itself objectionable. It should be roofed in with open sides. The public. morecver, mapprosh too nenr to is : and t is not sufficiently protected against the commission of those offences which are the subjects for penalties upon conriction.
The peaty character of the rater is a matier of minor importance in a sanitary point of view, but this would be to a great extent removed by an efficient system of filtre. tion.
The abundance of large fish reminded one of the fish pools of Heshbon, and we wondered whether Solomon fas wise enough to reject such water as untit tor human consumption. Here they feed, fatten, flourish, and spawn from generation to generation. Would our aquarium loving friends like to take a dip occaionally? and those who have tended the gold and silver fish globes and changed the water so frequently-would they choose to ase it for table purposes after the bish houl done with it?
Some philosophers indeed might clain that fish spawn, frog epamn, and saail spawn were but rarientes of fresh eggs ; but few would relinh the notion of swallowing the excreta of all these animals, the exuvia from their skins, the organic remains of these who bappen to die, and the thousand and one voricious scavengers ordained by nature to sweep away the field of death by making it thein prey

All these we drink and call it "a drink of water
But while we may consider such matters upon reffection as "Soxious Food," a more serious feature yet remains. So more feafful death can be encountered by a man than to be "eaten up of woms till he dies." How many childiren and delicata temates fall fictims to there de. stroyers no human knowledge can extimate, and nothing short of post-mortem examinations in every case of death could disclose. The dinturbance they canse to the general bealh so simnlates usual functional derangement that the cause is often unonspected. and where isurpicions are aroused a refuge is sought in some of those " Worm Medi. cines," whose name is Legion. and which have obtained a prominence on this continent unknown in Europe. When we have such evirlence herore us as is shown in our illus. ration, there can te little hesitation in fastening the source of such diseases upon : the water we drink.
Dir. Cobbold has recently called the atention of the British Medical Officers of Health to the danger of the distribution of Cestoid. Worms by raeans of impure water, and he instances the recent introduction of a tape worm, new to Britain, and chiefly affecting beeres and graminiv. orous animale.
In a few months it spreal into several counties in Eng. land, causing death among the cattle, greatly to the alarm of the graziers and to the beef.loving Englishmen
Prof. Agassiz declares' that all fish are infected with worms of one sort or another, and that you can only escape flesh worms by properly and thoroughly cooking your food.
This resource is not open to us on the water question unless we boil the water before wo drink it, as it is cer tain that creatures thus infected are contimally passing both worms and ova by the integtines, which render the water unsafe and unfit for human consumption.
The prodiginus reprolucing power of these worms; their tenacity of life so long as they can obtain food, and their migratory habits in flesh, render them a serious scourge to humanity. All the resources of Science should be directed against their invasion-atid it is only by a fair admission of the strength of the renemy that we can be prepared to make an adequate defence against him.
The worms represented in our illustration, figs. 1 and

2 belong to the samo order and funily as the Triohina found in pork, and the Guinen worm, ohiefly known in India. They are remarkable for what is called alternation of geueration and migration. The parent is nourished and fecundates in the intestines of an animal, it produces numberless broods of winute miscropic worms whioh pene trate the flesh, and successive broods of these dostroy muscular power, induce nervous exhmustion, and often penetrate important vital organs, causing functional derangement of the liver, kidnoys, heart, or brain, as the alse may be, and their diagnosis is most obsoure.
No. 1. Filiaris Flurialis, has beon taken by the writer from the water tap direct. A medical friend has ono which caused great annoyance and paiu to a patieub who, for some weeks, dechared that she had a "smake in her in side," and after thoadministration of an emotio, she vomit ed this Filiaris, about nine inches long, quite alivo, and re mained so in water for several monchs. Small specimen bave also been obtained from the writer's house fitcer Similar worms have been taken swimming freely ia the Otawa riyer; one amasured oleven inoles in length Another, about eight inches long, delivered after eapture about thirty-six inches of a white filament, which proved on microscopic exammation, to ben string of minute eggs closely packed togetber, and eotimated at considerably over two millions in number.
A single worm, therefore, swallowed in this ccondition would produce an immense swarm of young. capable of boring and penetrating the tlesh in every diroation.
The worm No. 2 is of the same frmily, and is closely allied to, if not ideuticnl with, the Guinen worm of India This worm atiains the dimneter of a cedar pencil and length of two feet: the young are microscopically small and of the shape and characier of those figured. They also migrate in the flesth in every direction.
No. 3 is a very notive inhabitant in every maturium, his movements are very uncomfortable in appearance, hut we have no evidence that his progeng are of the penctrating character of the last named
So. 4, Paramecium, and Rotifera, No. T, are lively scaven gers with enormous appetites like the polvps; they may he dried up again and again, and like very Rip Van Winkles come to life again after a long snooze aud are as busy na ever. They are probably digested in the ncid juices of the simmach.
No. 5. the Diatomacea, constituting the centrogroup, are chiefly composed of silica or send. They are very activ in their movements whilst in flowing water, but even in this water containing silicate of potasitum. they subside in the filter and become an agglutinated mass of a somewhat indigestible character, to say the lenst of it.
No. 6, the Crustaceans below look very formidable-but are probably good eating-and digest as well as shrimps or prawns eaten whole. The Vorticella, So. R, are als capable of easy digestion. The fungoid aud conforroid growths, No. 9, are not so edible. These depend for soil on a low and changing condition of orgmic surface, and usually indicate a condition of decay. These are always associated with Fever, Cholera, nud Diptheria.
The Household Filter constitutes a moni rahable domestic utensil.
It not only frees the water from all these organic and inorganic impurities. lut it also affords the best net for microscopic observation and research.
Here is the evil. Herein is the remedy. A publie and complete sygtem of filtastion of the water is demanded and the best mode of its accomplishment will be indi cated in a future comanunication.
[The illustration we give on our tirat page in on the higheat anthority, bering the result of the united obervations of weveral members of the Montreal Microscopic Clab, whu lenve made an independent and joint examination of the water flusiog the last few monthr ; and from the pen and pencil of its seceretary Dr. J. Is. Edwards. We have felt it to be our daty to lay these factn prominently before the publio-not to deter any one from drinking the water, but to show that a necessity exists for a well devised plan for the purification and filtration of the water for the public at large. The intelligent and the wealthy have the power to protect themselves by the use of household filters it, as entilled to it at the hands of the and they shond seek $i$, as entilued to it, at the hands of the authorities; for some system of filtration, such as is common in Grent Britain and
on the continent of Europe, is surely applicubl. hure C I. New..]
The Marquis of Hertford, whose death was numonnced week or two ago in a crble despateh, was the fourth inharitor
of that tille, and was born in 1800 . On the duach of hit father he inherited an imonense fortune whe theth of hia voled to the maintenance of a magnifieent whelargely ileParis, and the parchase of cosily works of art entablinhmint in sale of the gallery of King Willinm I. of Hilland, he purchased one paicuare, the "S Assimuption," "fy Murillo, for the enormous sum of $\$ 120,00 \%$. The Murriuis was an eraty forl the constant friend of Napoleon 11 , , and encouraged him in his
candidature for the office of prusdent candidature for the office of Prenident. The vast extater and immense wealth of the Marguis desecud, with the title, to his young kinsman, Capt. Hugh de Grey Suymour, his cousin'u
grandson.

THE WHY AND TITE WIIEREFORE OF PRCULIAR NAMES-MANNERS AND CUS'ROAS NOT Genelorax known.

## (Comsinued.) M.

Maceange-Derivation of: During tho war between Anth chas the Mad, of Syria, and the Jows, Julay, kon of Mattathias,
 tield. The standard which he raised on this eventful the casion, had inseribed upon it, Mi Gano-Ca Bashay Jemorin (Who mong the gede is like unto Thee, O lard?) and from called the Macenbees.
Masins.-The mande npplied by the nmeients to the sonl when meparnied frome the bokly some why that the word comers from nlways suparseribed their cpitapher with the letter Dionana Manibus, to remind the enerilegione and profame not to ion the temements of the deme.

 of the needle, A. D 1492 ; and it was oleserved in Lendeations 15s0; Charles of Aujon latimb, at the time of ite discoerery King of Sicily, the frat do lis was made the ernament of the northern mudise of the conpaxs in complituest to him,
Makerass.-This dipnity, called by the Saxoms Markin Heve nud by the Germans Markrave, thik its origin from . Mark or
1farch, which, in the hatuage of the porthen

 Vere, Ent of Oxford, whi
Richard 11., A. D. $1: 385$.
 versmlly recognized an the name of the coletorated Sapolith insurrectionist who, at one citue, nearly overturned the politan ment of that kingdom. How few who use the word are awn


Mazerpa -Maxeppa was the son of a Polish gentleman,
establinhel in Pedolia, and, by one of chooch fortunate of coinblishel in Pedolia, nad, by whe of thowe fortunate cir-




 impression on many a fair lady in tastiomathe cing a derp Whe introduced to the wite wh Marsin Koutsky, grand general of artillety, nml filt ingpised at tho first night with a pasation
 and de diftenthy of ermitiong its faby, become very day stroncer, more dangrans and daring. Fior a white the passion of the two hovers. by their mutum pranemo and carefahess,



 true whect of she bater's affectione, and indirenty appised he husband of the compoct of his beantiful and fuiliy fomse
 Whe badiknat at the extent of his domentic minfortune, and Excited by tre thise of reverner, bedered him man to newarge him unmercifully till he low: hix remos ioushese, to pour a cort



 the weight of his bork, drathed at a furiout spual inte, the dr-

 und zalloped with incredible ngect into a nall wwo in the fonutern ekrane, on the marbet day; and there, creitud with Hnd louspably takne, manners and raligion.
Menso-so called hecanse the clotb is now uade trom the the lawn of that country to pexport mas of the atheep
Mxary Aspasir.-Thin nathe whe tirst given to a droll and
 in the reign of fendy YIM, He used to atemdinirs nad matketo, and harangue the poople, by whom he was called Mery Andrew, hane the nmas.
Shliser.-Milliner in a worl corrupted, or at least alered Crom Mithner, which siguitiod a pernon from Milan, in Italy. Certain fashious of fimale dres-a, that first prevailed in that city, were introbuced by natiees of h, hato England, and hence arose the word milliner. It is very probable that the term wan first used in on "pronchful semat, hecause, previously to the nerival of the imnerators from Italy, all the mysteries of focmale habiting had been in the hamds of women-life-womes, as they were called, and men then, for the first time, became culine signitication, but huw we apply the term generally to femates, num distinguish those of the other eex who cugrge in the ocenpation, by the name of man-inilliners.
Moser.- The word money origimated in tha fact that the
first kilver money coined ta Rome-which wh A. U.C. 482 , was struck in the temple of /uno l/onata.
Moorh-So called because they came from Mamitania in the North of Africa, and passed irom Abyla into Spain.

## N

Nabon,-Tho Nabol is derived from natab, the plural o naib,
India, from whe forlin, from which that word in come to us, the plaral is ane in 16 d. spells the word nathebh, whose travels were pabina the fronguge of the Magul's kingelon, which hath mixed ap with it math of the Perrimn," The word, nuplicd to a weatlyy man returning from India, beventy-five yeare back was familia
enough.
Anothor origin of the word is as follows:

