

THE ADULTEMATION OF FOOD IN EENGLAND

It in generally believed that an Act came into form about a your ago, in this country, which haw to a great oxtent dono away widh
adultoration and the various trick of trudo. adultoration and the various trickn of trado.
That much an Act does oxist it is truo, that its froviaions, and in muny instuncer its pronalteses, to a cartain oxtont good has been acconplish. ed; but the profits to thin manufacturer: nd yreat, and tho risk of detection so unall, ihat
the vile work goes on almort as morrily zs ever. A more stringent Act, one more easily carried out, und ono the clauses of which shall four through, will require to bo brought into fore before the midde classot and tho poor-
for it is just theso who suffer the most-cease for it in just theso who suffer the
to bo both pillaged zud poisoned.
Morally npeaking, the adulteration of food is surely very simple, and nono the loss of a crimo because the custom is such a common
one. $A$ man who wifully adds c nou-qoisonous substanco to an articlo which ho sells, for tho suke of increasing its bulk or woight, and afterwards $x$ 'nils that to you as pure, is, it soems to me, bottor than a pickpooket, and
tho man who :dds that to his goods which thall injuro $t$. health of tho partaker is cortainly worse. For my own part, I would far rathor deal with a bater or grocer who sold pure geods but dealt in light weights, than with one who sold rre an ad little over. Hob
fiving so full measure and
me if it bo my fate to be robbed, but sparo m, health.
my Yealth.
Yust bo confesed that the buyers themselves are sometimes to blame for throw. Thoy will not pay the price for the geauins article, on the one hand; or, on the other, they profer beanty to roaity-ancts, howorcr, that trader.
treder. profits arising from the sale of adulter-
 tail mercha
terations.
tcrations. Tcrated food and drink greatly affects tho national health, and that
owe their death to the tricks of trade. The owe thest death to the moot, although the
lower orders suffer the
higher do not escapo. Hard indeed is tho lot howher do not escappo. Hard indead is tho lot
of tho poor man who, after toiling all day, of the poor man who, antor toing and tea, but must sup at eventude on bread and ta, which they usurilly are. Poison in the cup! Poison
in the cake! The alum and other forciga matin the rako! The alum and other forceig
ters in the bresa will not aid digestion.
A lamber of vegetublos and other impuritics find their wny into lmown or un-
refined sugar, there aro magar-mites, somewhat like choceco-mitce, nend vegctable fungi,
and biss of nurprecano. Thero is a diverso and biks of wuyar-cano. Mitch, which is kuppased by modical authonties to orignazte from the bites and burrowing habits of thoso sugar-
mitos. Now, sugar is oertainly not no oxpensure stem in ones dictary- tho retined kind
should therefore bo invarably unod. Tho 2 m purtics in somo kinds of brown sugar ano so
disfuriting as to ronder it cntircly unfit for human oonsumption. Somo of tho cheapor kande of whiossagar are adultarated with chajk.
Thin is insolublo in puro water, xnd a few Thin is ingolnbla in puro water, nod a few
drops of acid ndod to this will cruse effro rescence. Common nagar is oflen naxed with
kand. If you take a clan, nartow glavk, and itroolre motro of tho suspected sagar in it, sou
wall find, af gour surpicions are correch, that will find, af your surpicions are correct, that
after it has stood for a fow hums thero will bo a modimest.
From sugar to sugar-oonfectionory tho trankitum is cant, and I ber mammani Fill and forernost, let mo tell soun that tho articles in quastion aro not oren entiroly cmponed of
sugner, brit aro largely ndelteratod with chalk, krarch, and prpectay. I don't think pipelay
ran be good for litio Tommy At all orents, ran be good for littio Tmmmy Agin, "mwects' are ofton "alicely" dono up in nolored paporn,
and thoso papers aro rery oftm dyod with
 the paper.
Bri wormo than all this, poinozocus, borauso beartiful, pigments aso rosj frequoadly maido nuo of to oolar tho oarfrotionars itrelf. Of

neal red, lonwool or maddor parplo, So : thowo
don't harm prownmy Inded, and pasted on paper, then take a don't harm 'Commy Indeed, an the first-men-
tioned, map green, is uothing more or less than the teen-pot float them on wate
to make them unroll, and so comparo then. the juice of the buckthorn-borry skilfully propared, it might almost be aubmitted that at tumen Tomnyy would reap a positivo benefit from a handich of aweets so colorad.
Bat thooo harmless oolore have the misfortune to be rather oxpenseve ; and some wioked
manufaoturers, rechlees as regards the coneemanufacturers, reckloes as regarde the conee-
quonoes to poor Tommy, find in poisonous pigquonoes to poor Tommy, find in poisonous pig-
ments a
hiasper Bubstitute, and ube conpar zud arsonic greens, lead, antimony, or arsonio yellows, forrooyanido of iron, or copper bl
and seek thoir reds from lead or mercury.
Honor is "doctorod" with starch, and
times with ohalir or pipocay. Jams and fruit jellios, I neod hardly pay, suffor graatly at tho hands of the adulterators. Theo are not only ofton artificially colored, but tioy somptiness
contain copper. This last adultoration, I ought to ndd, is usully unintentional, being the natural rosult of boiling the proservens in coppar or brass saucepan
highty to be conicemned.
Now, if one condd bo always suro of bo no difficulty in making good bread ut horne I have no wish at all to bo sovero on bakers they are fully as honest as any other class of radescmen, but they are driven by the public
themselves to use various ingredionts for the purpoeo of beantifring, so to speat, tho loaves thoy sell - the public being imbued with the muah the purar mast it be.
Flour is sandterated with barloy-moal, ricoflour, bean- four, Indian corn, and potato-flour. Burley-meal I consider moot nutritious, and wheates, while thoy mat kaffect tho puree of wheated, Whilo thoy may affect tho purse oh
tho purohaser, cannot reall hort his tomech But the prectico of mixing alom with the flour, in order to whiten the losf, I consider nefarious in the extriame. Carbonato of soda is ale
largely uned. Now, as a modical man, I shan not attompt to put it in many stmanger than this: duily doses of alnm or corboyato of yode
produce dyspeptia, and dyspepeia is the fore-
 tcrated one, for wheaten flour is tho lightcast of any. A too white loaf of bread should always cito suspicion.
liet, is, very of the the most nutritious articlos of dict, is very largely adultarated, especially in
towns and cities, probably not one half is towns and cities, probably not one half is
genuine. The unprincipled owner of a mill walk, indood, uevally makes more moner out of tho pamp-well in the corner of the dairy, than ho does from tho produce of all his cows
put togother. Now most peoplo think that if he milt were diluted nearly one-half, it would cortainly look bluo and thin, and so it woold, bucketirg the profits anising from manully ow, with a thoughtfulncess which doca him bredit, endearors not only to suit your sight thin," did you say? Biess you, ho nouldn' boll guch stuff for tho world $:$ and the adidiou of a lutho aranto rastorens the colior in a won
derful manact. and doocn't a litllo sugar or reaclo mako it tasto nico $P$ and donent a dasi of salt bring out the fisvor? Hs : no won
der you smeck sour lins when Fou tasto it, der you smack your lips when you tasto it,
and say, "I wouldn"t clunge my millmin for all tho world !
And starch, and chalk, and shoop's bramne and turmoris, nnd tho docoction of whito car
noth aro somotumas found iu milk, but o courso these all get in quito necideritully. If milk is of a very suspicions rich color, you quantity, if it got a darker ythow or gellowish red, srantio is most likely present ; if a der, thero can bo litulo doubt abor' the mut-
When you can bray your milk from a farmar ona ought to do so. The averago epecinio $\Lambda$ midale-nged cow gives tho best milk, and ono that is fed on pasture-land, and not too requently malked. Tho mommg ming the opera nir is tho halthiest.
Tho principal adultetations of butter aro water, xalt, curds, starch, and dififorent nenr tho fim, whom nitor somo time the water vill kink to the bottom, and \& fuir cetimato of ita amount may thas be formed.
Nin articlo of commeroo has bocn more sbamofully troated in tho way of nioultoration than ca. It is painted nud froxd with poisonoos
culmanncer "lic-tone" which im"t too, bat an agflomeration of nll morts of filth hold to.
gether ty gum, is added to it and it is alion offen mixed with the lestro of tho willow, the

 mixo for it. If it is wishod to find oat if thees
so $2 n y$ admuxture of forcign lowres, the shape


Co make them unroll, and so comparo thom. Coffey in anulterated with ohicory, burnt
beans, \&c., and the chicory is itenelf mixed with roasted wheat, sawdust, and probably brick. dust. The beat way to obtain really grod
coffee is to buy tho freshly rousted boans, and coffeo is to buy tho freshly-rousted baans, and
grina them at homo, adding a littlo chicory if grinat them at homo, ad
youl liko the tlaver of it.
Pepper is mixed with. flour, mustard. groun. 1 rico, \&o., cayenno with red lead, vermilion, way of flavoring, I suppose. Auohovies sel dom are anchovios. Ificklen aro dyod and
doisonod, ohers is poisonod, ohecse is staiued, and fluvoriug it ahould bo tou strong and injure tho mucous membrapes of customers, truders of en thought. waris restore its color with turruoric.
Potted mests are adulturated and daraper ously dred, and tiunod vegetables arrs often
renderod beautifully green by the add sulphate of copper. (N B.- Preservel vege tables ought to have an olive green
anco not a brightand ehows green.)
It is a good plun, if - u can nuange it, al air price for the thicles shops, and pay a shops that puff and protend to undersell therr neighbors. When 1 seo at grocer retailing man is ono of two things, hie is cithor a whot that sale rogue or a duke in disguise-a man of inmense wealth and extremo genorosity, whu his crmine robes for tho humble, though hothorable if honost, shopkcoper's apron.-C'cessells KKagazine.

Tue Latest Woypan.-The Phonograph.Tho Scentific American contains tho first anul inmention what may bo the moot wondermoro incredible than tho likecibood of once more hearing the voice of tho doad, yet the invention of tho now instrument is said to render
this possiblo hereaster. It is true that the voiocs are stilled, tut whoover has spoken or whoevor may speak into the mouthpieco of the phonograph, and whose words are recorded by roprodaced audibls in his own toneslong after he himself has turned to dust. A etrip of indene sounds of tho latter are magnified, and postcrity conturies henco hear us as plainly as we were prescnt. Speoch has become, as "Tho possibilitics of the futuro aro not much nore wonderful than those of the present. The orator in Boston speake, the indented strip of paper is tho tangiblo rewult, but this travel under a second machine Which msy connect
with the tolophonc. Not only is the speaker with the tolophonc. Not only is the speaker by passing tho strip again under tho $10 p r o-$ yoar, or noxt century. His speech in tho first instanco is recorded snd transmitiod simnulanoously, nad indefinite repctition is possable. foo now inrcation is purcly mec hamical -no
lectricity is involved. It is a simplo affair of ribrating nlates, thrown into vibration by the ribraing piates, thrown into vibration by tho plo han beca found, and modifications and improvements are ouly amatter of time. So also are itn puesibilitios whor than thoec alreads the past? Why not, if by kimply tanhing into monthpieco our speoch is rocorded on paper, and our cormenpodent can by tho samo paper booker $P$ Thero is no masen why tho oration: our modern Cinetos should not be recorded and detrchably bound so that wo can rua the quict of our own apartments listen agan, and Is often as wo nill, to tho clupucat words. Nor ano wo reatricted to apulen wonds. Music
rany be crystalizad. as well. Imagno an
 iving rocalinter thus mocorded and capable of

- Catlin taught tho world the importanco of ehatting tho month snd broathing throngh
 an Geamnny, whore now thoughts receive more attomaion frotn physicianne then anywhoro cluc in tho world. Roapiration hy the monthi is
casicr than by the nowe, but not no cain Thr nowe to a oartain oxtent fits the air for criter-
 rupors. Tho moistaro of tho naksi cavition to somo oxtent sutruntes tho sirand makess it lass
irritating to tho throat and laryax The intiating to tho throat and lavgnx The catch the dant boforo it goos far onongh to
haven. On the other hade brathing thmugh harm. On the other hand, brathing thmugh
the mouth drion tho it :ont, sand in children may canme falno cronp, catarih, ajd it majy
offoct tho Euniachian tnbo an to canso injury offoct tho Eurichina tibn as to canso injury
to the our and doafaces.-Seni-Tromal.


## いいMENTIC

## ECONOMITING STEPS

A large part of tho wearisomoness of house-
rik cames from the number of steps rexumred of the humakeoper while porformang it The going up and down wtairs, the vilmatuon ber tween the kitolen, dinung-room, cellar aud ther parts of the house, wear out the etrength puito as much as all wher tasks combinch.
Henco such conventration of rosources 28 will Ifenco such conventration of rosources as will lint, and the onsy cermmand of every point to be covered, is of the utanost importanco. If the cim fiad in her lamatry oviry thiner 1
 nutry, cake, and haver compoundme lirwad, and there to ret thium torether and put thern way ugain, hrer tusk wall seem light.
He her nowing-roomn nhes can put her hand out the perplexity and trouble of huntine wi.
 ively fow houres have bern phanned with re fereuse to thas mange of steps. Tho majority
of familes have no ngecial rown fitted up as a laundry, no pantry capacious enough to conain everythug a puntry hhould contanu and articles noeded in theso various induntain tro uecessurily seastered, and kept where it in tengils convenirnt to kerp them. The washing nant be brought anto the kitchen and carraed burk again.
The sowing-machine stands not far from wa work can have nn overnight of the remak nug while bugy, at the machune, but her materv. ent, by using her bint all wo athan reah her feet, she may save the latier many au unnewesary trip. If she mant go down cellar tartarg and see of uiere is not somethiug to bo carriod down, or if there is any emrand thrro that may bo athended to other than the pectas one she grocs on. If she has occusion that is to be done she can acromplish with once going there, and so of ercrything clse. A great final can be done by planning work to make it easy. She who has arranged in her mind a little programme of her work, nd goes at at syetomatically, will accomplish might be cotirely, what, taken at random, Chidren can be trained so as to save their mothers' steps, and by sotting and clearing ongings in placo, do very much to lighten tho tolls of their mothers. $-N$. I: Tribune

Jafantare Method of Coortiva Rice $-\Lambda$ otter from Japan says: "They know bow to onk nico here. Only just cmang cold rater the bottom of the pot. whirh has a clowe ice is sturned, rather than mierato fire Thir ceo sturned, rather than briled, until it is narly done: then tho cover of the pit is
taken off, the surplus steam und moisturn are sllowed to escape, and the rico turns nut a mass of now-whito kemels, cach spparate
from the other, and as much kuperior to the nogry mass wo usually get in tho [niterl Shites as a fino mealy potato ws to the waterorked article.
Liarmb Snoz Buacenso.-The following is ginss like patont loather, tring water-provif, and not soiling ladics white dressas 1 Dissolve half in pound of shellac in alcohul. it
dissolves alo krep in a warm place, and shako oftem. Then add a nieen of ramphor the nizy of a hear cgs,
ahake well, and aitor it is dissolved add ono nunco of inme-hluct If the alowhol is strono mough, all will br diswolved nad ready fur ung in twriany If it is too thick, and alcohol. It drios in five minutes, zad dees not mako the leather hask, as it doas not penctrate but cmains on tho sarfaco
corrempondeat of tho Engish 3lechanac
 frech-laid ogbs, and I beliero thog wonld havo kept mially good ine trolvo mantha. M5 nodo of prescyution wis to varaikh tho ceg\% as ronn after thog werm liad ns passitic, Win of tho ahall was corared with the vatrinh. I
sulhegucatly found that by painking tho egos with timh nibumen, braten up with a litho for ra long a period. After virnishing or painting with abburwon, I lay tho ogbs upon
rough bloting papcr, is I found that when rongh boting pancr, as I round that whin
allownd to rat till dry upon a plato or on the table tho albumon stack no fast to tho tablo or plato as to tate away a chip out of thio sholl.
pack those eggs in baxos of dry bran."

