## fitiscelliancons.

## Medicincs and Poisons.


 quantity 18 not the only puint ut distanction between the tio. liecent comaiancationg frum currespondents respecting the fatal effects of carbolic achl and santonatice on duas, buald scican to suggest that the eame agents, in pruastly tise sainc yanatite e3, applicd an exactly the samo mamer, pruance viry duterent iffects. Bat, in justace to the authurities under whose sanction or by whose reconmincndations certan potent agents aro used medicmally, we are buund to c.bu atizntion to the fact that the all results always lucis in the cxperiense of amateurs. We do not achen that amateax melnal experiments always fal

 fessounal man. These reflectons hase becen forced to us again and agan, and once mone rechatly in relerence to the aetion of carboled and an watwame.
 as a remedy for skin discises, and for the di structica of parasites, for years without a mishap. A solution of one part in forty paitscf water has becn employed repeatedly as a dip to, the parpose of desthoying licas infesting pet dogs, and the little animals have been immersed in the flah up to the reyes without injury. Sheephave been dipped in a mixture of one in trienty, and have not sugered in consequence. Further investigation proved that more diluted solutions are equally effectual, but in our early experiments wo ased them without a single accilent
Cases of fatal results from the cmployment of carbolic acid mixtures of one in fifty, and even of higher dilution, have been reported on many occasions since carbolic acid came into favor as an anti-parasitic rem. edy. Some of the cases have been investigated, and
in each instance some error has been detected. One in each instance sume crror has been detected. One
of our correspondents admes that the misture which mjured his dog was made by his man, for whose scrapulous care he pledges himsalf. We confess to the utter absence of any such farth in the conscientious exactitude of men who have tho clarge of animala generally. On the contrary, we know that there is a wile-sipace prpular belief in the efficacy of strong doses ; if a small quantity of the agent prescribed fails to produce the expected results, a considerably adhtion will be made to the next dose which is given; and whle the ettendant's respect Gor the truth is satisned by the statement that he to mention the little addition which he subsequently made on his own responsibinty. One candid mdivadmal, under whose handa dog had died after a dressing of carbolie acedmixture, admutted that he found the tirst dilution which was ordered so bencficial, that he could not resist the tempiation to obtam a stall more deeded advantage by using a mach stronger mixtare on the following day.

Irrespective, however, of sach mimational rarations as those to wheh we have alluded, the strength of a compound may be accidentally altered, owng to some slight change in the condations which are andispensable to a perfect maxture. Some time ago we hasd to inquire into the causes of the death of sheep from dipping in a maxture of carbolic acid, which had been used formany weeks previously without accident. In this case very little investigation was reguired. It was ajparent at once that the combination of the active ingredients with the water used to form mixture being producel, the acid separated from the other constituents, ami tlusted on the surface as a brown scum. The lirst few slicep which were dipped in the flund nere in contact with the unduluted aed, and succumbed accordingly to its energetic action. The addition of a little common soda to tho water at once had the cficet of causing a per-
fect and intimate mature of the carbolic acid with the water, and no more difficult was expericaced. Nevertheless, it is casy to understanil that a person using the agent for the first time, wath the results above stated, Wouhl be anchacd to phece carbolic acad
among the deadly pusuas, and to so speal. and write among the dead
In reference to the action of santumene, it is not so easy to explan the dukerent enects which have been observed. But the rule stall clltang that the fatal cases have oecured th the eaperience of amateurs; while professional observirs to nut iccord any instances of injury arisug from its use.
Quite recently the action of santonine las been tested on three doge, ench of which took a consider.
able dose without suffering any serious inconvenienco. Onc small puppy had five grains to commence with, and, as far as could bo scen, without any result. Ten graing given to the same animal on the following
day produced the effect. Another dor had ten day produced the effect. Another dog had ten
grains without effect, but another dose of twelve grans was fullowed ly symptums of cacboral disturbance, which soon passed off. Another dog manifested sumilar symptoms after a dose of twelve grains; this anmal ajso quekly recoveral from the effect of the drag, and is now quite well. These experments pruse that santonine may le safely given to the dog the consherablo duses, it is anpossible to specify an melicure and lead to the development of poisonous action. l'unty of the agent is the urst essential ; the dose, it appears, may be varied withun cortain lauts watiuat ask; but a profesesional man would
 Hatumathe. Whe are strungly melined to cerebrat
 Thwia suan a bacgle grana of santonane, there was some tanual mushaki, which, if detected, wouki "raban the rosult whthut reforace to cantonine at all. - Fieid.

## Ironing Sleighs.

A too common error in the roning of aleghs is the losdug of them with scrolls and ornamental ronwork for the parpose of amproving thear appearance and moreasing the strength. So far as tho appearance is concerned, the scroll work 18 not recognized as being of any advantage, while the extra weight umposed farls to add to the durability of the vehicle. the main iron-work should be that of the under side of the beams and knees; the most perfect manner of constructing this is to plate the lower end of the latter a littlo more than half their length with balf round iron of the full width; from the top of this a brace of round iron should be welded on, extending up to the beam to a point about two inches short of the centre; from the point where the brace is attached there shonld be welded a piece of flat halfoval iron the full width of the knce; this should ex. end to the top of the latter and be turned with a ceavy corner, and should reach to the centre of the beam, and be welded to the brace at its point of contact; this secures a strong brace to the knee and beam. The bottom end of the knee-plate must have the $T$ head to attach it to the runners, but this head
should not be less than six inches long, and be secured by four rivets or bolts; tin 'l heais to the ront linees should be still longer, the lower branel extending beyond the bend of the rumers, with the apper one high enough up to prote t the rumer from njuries reccived forward of the knees. The side stays need not be as heavy as they are generally made; as their principal use is to prevent the knces rom being drawn forward, they should, in all cases, be perfectly straight, as when bent they have no alue as braces over the weight required to hend the ron. The front iron-work for the shalts and jack heads should be as light as possible, the front, under any circumstances, being much more heavily ironed than the other portion, and the tendency to run on the nose thacreby incrensed. The position of the draft-eye is dependent eatircly unoa the height of knee and bend of rumer and shafts, and requircs more skill on the part of the blacksmith to properly locate it than any other one thing in connecton nith the iron-work. - Curriage Journal.

## A Flonl Onament for Drames-Eomis.

Inat Al.gast a lo.ly friend of minc gatherci' a hand Gul uf the wuild-x nuwned flowers of Yurg't-me not (Myusutis palastrio), and to preserve thom as long a pciud as pussulle, they wcre pat in a large soup-plate flled with rain-wate. The hlowers were placed near the manduw, so as tu cujuy the advantages resulting from an alundance of light mad air, and the water $n a s$ rephenished when nuedial. In a surprisingly
shuat suace of time-there wechs, I belicre-white, shust siace of time-thate $\$$ cehs, I belicve-nhite, thictuacr-stalh. in the water, ant they liatimatcly fulmula a theh net-worhorer the pitt. Tho flowers rembuned quite fresh, excepting a few of the most adwace when gatherch, aha, as soon as the roots tu t.we the phace of those wl.wh faded, and up to the midilic viがoremhur the Lunguct-if it may be so callen- 1 .ins a dense mass of futrens, and a more beautiful or chaste oramaent for the indoor apart-


## Eurlish Farming

The rriter of "Ogden Farm Fapers" in the American Agriculturish, says in reference to English farming :-" 13 a whole, the farming of England is the best in the world. The farms are usually large, and the farmers non of intelligence and of large capit.l. More attention is paid there than anywhere else to the maling of manure; grain is largely grown, and the sy stum of a regular rotation of crops, to maintain the fertility of the soil, isalmost universal. Over a large part of the country the cash profit of farming is sccured by the sale of grain, but the fertality of the land, the ability to produce grain, is kept up by the feeding of a heavy stock of cattle or sheep, which are kepit mainly for the sake of the manure they make and which are largely fed on purchased food-in great part oil-cale and Indian corn imported from America. Such a complete system could hardly le carried oat on so large a scale on many farms in this country, for few of our farmers have the tececssary capital, but it is, after all, the system turard which we should work and to which we must luok for the permanent future of our agricultare. Our farming can never be perfect, nor a:hythng like it, until we shall have reached the point of a constant improvoment of the soil. A constant detcrioration has been a necessary consequence of the rapid spread of population over the whole breadth of the land, but it must before long be followed by a wave of better farming, which alone cau enable such a population to be self-supporting. Happily the improvement already made on farms at the East which were considered to have been exhausted, shows that the injury ras noe decp, and that the pioneers who have been tempted westward Ly a virgin sonl have loft behind them a fair field for theestabishment of tho betteragriculture that anolder and denser community demands and malics possible.

## How to Succeed.

The young man who thinks he can carry his boyish pranks into the serious business of life is not a man, and defrauds hmself and his employer. "After work, play." That should satisfy the most sanguine. "Business before pleasure," is the motto of the prulent man whose guide is expericnce, and it is suff. cient for the novitiate in active life.
But it is despicable to see the young man just starting in life so wedded to his former enjoyments as to place them above present duties. Yet this is often the case. The young man, who, to steer his own bark, launches forth on the sea of life, too often looks back on the pleasures he leaves belind, and, forgetful of present duties, steers back to past enjoyments. There is no royal road to success any more than to knowledge. He who would succeed must work; and after all there is more real enjoyment in work, which has a worthy object, than in play or pleasure, intended to kill time. We remarked a few days ago to a business man whose present means are
amply sufticient, but who worked really harder than amply sufucient, but who worked really harder than "take it casy." Said he: "I am never so happy as
when I have more than I can do. I may wear out in when I have more than I can do. I may wear out in
working, but I dread to rust out in idling." Fe was right. His work was a part of himself, a part of his life, and it was always faithfully done. Io appren. tices, especially, this earncstness and intercst in their work is necessary, if success is ever to beattained.

Waste Landos in Ineland.-Saunders', Freeman, Belfast Newslellor, and other Irish contemporarice, hberal, and conservative, advocate the imprevement of the waste lands of Ireland, by the Government purchasing, draining, road-making, and then selling, or leasing in lots. They say that out of four and a lualf millions of acres of waste lands-bogs, moors, namps, and heather, at least two millions would be amproveable, and that the average annual value of these would be one shilling per acre, or, if purchased by the State, the cost would be about thirty shillings. The reasons they give for State interference, and purhase, are that the estates are very large ; that smee 1845, Government las offered loans, re-payable in twenty-two years, principal, and interest, at $6 \frac{1}{2}$ per cent., and u thirty-five $\}$ cars at 5 per cent., to induce the propictors to improse, which they have not dune, that when Acts of Parliament cnable ralways to acquire land when wanted for the public interest, 80 should they with Faste lands, when the onnas are unwilling to do their duty. We still think many would le willing to scll to the State. The sur plas church fands would be sufficient for these, and the: Irish a eproductive works. If our Government cyures an cxample, the Netherlands have set it in the drainage, rcclamation, and improvement of Handem Mere, whech they afterwards sold in estats. of 40 , to to 600 acres.

