three or four months, and every alternate when you prepare it, is a very nourishing drink day afterwards; and when there are any for invalids.—Agricuturist. symptoms of cracking, bacon fat, hog's and hould be well washed with hot water and soft soap about twice a year. The temperature of the cheese-room should, when attainable, range between 60 deg, and 65 deg. When this is the case, the "first make" will generally be ready for the factor by Sept. or October, and the "latter make" by December or January; but in consequence of many rooms being badly situated and imperfeetly heated, the farmer very often does not get his cheese into the market until two or three months after these respective periods. The object gained in having the cheese-room about the temperature I have named, is three-fold; the perfect fermentation and ripening of the cheese; the reduction of labour; the quicker return of profit.

It is usual in this county to sell the cheese by what is sometimes called the "long hundred" (120 lbs. to the cwt ); difficult to ascertain than the average for be eaten in half an hour. 16, price of cheese, inasmuch as both farmer and factor make the price a secret. The highest I heard of last season (1843) was bably be about 40s. or 45s - Journal of the Royal Agricultural Society of Eng.

ing the tartar of the teeth, and as like that fruit, it does not undergo the acetons fermentation in the stomach; they are therefore recommended to rheumatic and gonty patients." The raspherry forming an excellent fruit for tarts, jams, and sweetmests, and when properly prepared as a syrup, and diluted, makes a delicious and refreshing beverage, very cooling and safe in fevers

Raspberry Syrup .- To every quart of fruit, add then strain it through a flannel bag and pour into | quantity being added to it -{ German paper. bottles, which must be carefully corked and sealed. To each bottle, add if you please a trifle of brandy, if the weather is so warm as to endan ger its keeping.

The same recipe answers for Wachberries.

Raspherry Jam.-1 lb. Loaf Sugar or White Havan't Sugar, to every pound of fruit-bruise them together in your preserving pan with a sil ver spoon and let them sunmer gently for an hour. When cold, put them into glass or china jars, and lay over them a bit of paper saturated with brandy—then tie them up so as carefully to exclude the air. They will keep a year, and are better than if made after the old method, with the addition of current jelly.

Ginger Beer.-One pint melasses and two spoonsful ginger, put into a pail to be half filled with boiling water-when well stirred together, fill the pail with boiling water, leaving room for one pint of yeast, which must not be put in until luke-warm. Place it on a warm hearth for the night, and bottle it in the morning.

Beer, (from a Ludy or Weathersfield, Conn.)-20 drops of the oil of spruce, 20 do, wintergreen, 20 do. Sassafras. Pour two quarts of boiling and in all of them with but one exception, in water upon the oils, then add eight quarts of cold the first or second handful we pulled up, we water, one pint and a half of molasses, and a half discovered the larvæ or magget of the Hespint of yeast. Let it stand two hours and then battle it.

Rennet or Wine Custards .- Very simple, and prepared in five minutes. Cut a bit of Rennet about four inches square into strips, which put into a bottle filled with wine. It will be fit for use in two or three weeks. To make your custard, first warm and sweeten the milk, then stir into it a ter spaonful or fable spounful of the rennet wine, according to its strength, and pour inmediately into a pudding dish, or cups, as you

wipe them with a cloth daily, for at least from make enough, by the addition of extra wine

Tomato Catsup .- To a gallon skinned tomatos. lard, or some other fatty substance is 4 table spoonfuls salt, 4 do. black pepper, half a applied. The floor of the cheese-room spoonful at p.ce. 8 red peppers, and spoonful is generally covered with dried rushes, I mustard. All these ingredients must be ground a coarse grass, resembling rushes, line and summered slowly in sharp vinegar 3 or 4 called "smiddle" or wheat-straw. The hours. As much vinegar is to be used as to leave floor should be level, otherwise the half a gallon of liquor when the process is over. cheeses will not be kept easily in shape; Stram through a wire sieve and bottle, and seal from the air. This may be used in two weeks, but improved by age, and will keep several years.

> Dr. Rush's Cure for persons who have drank approdently of cold water or any cold liquid when too much heated. Doses of liquid landarum proportioned to the violence of the attack From a tea spoonful to near a table spoonful has been given before rehof has been obtained

> The best and most simple recipe for preserving Fygs —Pack them during the summer and fall for winter. Take a stone crock or firkin, and put in a layer of salt, half an meh deep, insert your eggs on the *small end*, and cover each layer of eggs with a layer of salt. If the eggs are fresh when packed, and put into a cool dry place, they will keep perfectly good until the following

Boil Salsify or Vegetable Oysters till the skin will come off easily. When you have taken it off nearly, out the roots into bits as long as an oyster; put into a deep vegetable dish a layer of but the factors often require 121 pounds per and notineg and a covering of butter as thin crumbs of bread or crackers, a little salt and pep-The price varies with the quality of the as you can cut it; then a liver of system, till your article, the state of the market, and the dish is filled, having crambs at top. Fill the dish always sell for more per lb. than smaller with water and brown them handsomely. They ones. There is perhaps nothing more can remain two hours in the oven without injury, but with

Indian Meal Cakes .- To three pints of indian meal a piece of butter as large as an egg, and a tenspoonful of salt. Put two tencopsful of boiling happens that it appears in wheatfields grown water stirit in, then add three eggs, and milk to 72s, per cwt. of 120 lbs., or a little more make it in then add three eggs, and milk to than 7d, per lb.; the lowest would pro- make it to the consistency of batter. Half a teaspoonful of saleratus.

Whooping Cough .- A teaspoonful of castor oil London, in treating of the Raspherry, says the mixture to be given whenever the cough is The Syrup is next to the strawberry in dissolv- troublesome. It will afford rehef at once, author a few days it effects a cure.

> The same remedy relieves the croup, however violent the attack."

Tincture of Roses -Take leaves of the common realso useful in the confectionary department, rose, (centifolies) place them, without pressing them, in a bottle. pour good spirits upon them. close the bottle, and et it stand until it is required for use. This inclure will keep for years, and yield a perfume little inferior to otto of roses. A few drops of it will suffice to impregnate the ata pound of sugar, and let it stand over night. In mosphere of a room with a second of sugar, and let it stand over night, an hour; mon vinegar is greatly improved by a very small

## TO CORRESPONDENTS.

T C H Subscriptions rec'd. He trust you will not desprit so soon. Where you find persons who wish to commence with a particular number, and well not take it from the first, you may receive half the price for the remainder of the volume, from the Hessian Fly. If they hope to escape it, they must study the habits of the insect.

## CANADA FARMER.

## June 19, 1847.

## THE HESSIAN FLY.

This terrible destroyer has come upon us at last. We have just returned from a short remarkable for the production of this grain, ing millions of Europe ? We fear the calasian Fly. In some stalks we found as many is ten, in different stages of development. The great part were of a pale white, with a green stripe through the middle of the body; a few had torned brown, having reached what is called the flax-seed state. They are found near the root, between the outside leaves and the body of the plant. In the cases there were so many imbedded in the stalk, that the sap could not circulate, and the plant was prefer-put away in a cool place for an hour, and turning yellow and beginning to die. In a

the tallest and most vigorous looking plants, Iglad if some of our subscribers, at a distance in the rankest spots in the field; but more from Toronto, would make examinations in frequently they were found in the small, their respective townships in reference to this weakly stalks which had the appearance of all-important subject, and send us the result being winter-killed, though it is more likely they owed their sickly appearance to the presence of these insects. Nearer this city, some fields which two weeks since looked which naturalists have placed in the family of healthy, and promised no unusual crop, have turned of a pale yellow colour, the leaves look stiff and staring, and it is doubtful if the owners will get their seed, to say nothing of their brend. While the effects of these destructive insects had become so plain that some farmers in this vicinity were ploughing up their wheat in order to sow other gram, others a little further north had not discovered them at all. We were informed that Mr. Snider, in the Township of York, was about to plough up ten acres of spring wheat, so completely had this dreadful devastator done its work. This circumstance proves that the egg has been deposited this soring, in the case of spring wheat at all events. Though if it be true, as has been asserted by some who have studied the habits of this msect, that the worm or egg is deposited in the seed and not in the stalk, it is not necessary to suppose that the fly has been abroad this spring. If this theory were true in the negatire as well as the positive part of the proposition, namely, that the egg is " not deposited in the stalk or culm," a protection against the ravages of the Hessian Fly might be found in a careful selection and preparation of seed. But we should like to know how it from seed produced on the same farm for years, where until now there were no signs of its presence? Does the fly penetrate the mow or stack, or does it find its way into the to a tablespoonful of molasses; a teaspoonful of bin? We think not. Then it can only be in the field before the wheat is cut, that the seed is accessible to the fly, which must be furnished with an ovipositor that will penctrate the chaff and skin of the kernel, otherwise the egg would be destroyed. But it does not appear that the insect is so furnished, and therefore this supposition seems not well-founded. This theory, put forward by a Miss Morris, of Pennsylvania, and mentioned in the following article, is proved to be untrue by an abundance of evidence. The fly deposits its eggs upon the leaf, whether it does so in the seed or not, and therefore it will be unpossible to get rid of it by anything we can do with respect to the seed merely. Last year the grain worm or weevel injur-

ed the wheat in this district to a considerable extent, but nothing like what, we fear, may be expected from the Hessian Fly, that terthe earlier numbers. You have a strong argu-ment for the farmers to take an Agricultural for the first time we believe in this part of paper, in the farmers to take an Agricultural for the first time we believe in this part of paper, in the fearful calamity that is before them. I the country, makes its most unwelcome apthe country, makes its most unwelcome appearance. One-third of the wheat crop in many places has been winter killed, and we have every reason to fear that another third will be destroyed by the fly; upon the remaining third we must subsist ourselves, and the thousands of emigrants who are off every bushel we can spare of last year's crop) and after we have done this, where will the surplus be which we are to export tour of investigation in the townships of York, to Great Britain? And if this same destroy-Vaughan, and Markham. We examined er has passed over the wheathelds of the several wheatfields in each of these townships great West, what is to become of the starymity is yet to come, and that we shall not long be suffered to occupy the position of placed in the longitudinal cavities of the mere speciators. A lady in this vicinity has blades of the wheat; their appearance being mere spectators. A lady in this vicinity has just received a letter frem two sons who are farming in the State of Illinois, and they write that the farmers in their neighbourhood are ploughing up their wheat and planting corn in its place, in consequence of the ravages of this insect. We have not yet observed statements of this kind in the papers from that quarter, and we hope it may not be general, (but see page 83.)

We publish the following article from

one belonging to Mr. Davis, about time miles with, and will, we doubt not, be read with north of this city, we found the imagest in great interest at this time. We should be for publication :-

" One of the most formidable enemies of the wheat crop in the United States, is the for famed Hessian fly, a small goot or molge gall-grants (Cecidomyradic). The insects of this family are very numerous, and most of them in the magget state live in galls, or unnatural colargements of the stems, leaves, and buds of plants, caused by the punctures of the winged insects in laying their eggs. The following account of the Hessian fly, the dread of farmers wherever wheat is cultivated in North America is chiefly taken from Harris's Report on Destructive Insects, and Her rick's valuable paper upon this insect, published in Silliman's American Journal of Science, vol. 42. The brief listory of the limbits and transformations of the Hessian fly will be found to agree essentially with the excellent observations on this insect, written in 1797, by Dr. Isaac Chapman, and published in the Memours of the Philadelphia Society for Promoting Agriculture.

"The head and thorax of this fly are black. The hind-body is tawny, and covered with fine grayish hairs. The wings are blackish, but are more or less tinged with yellow at thbase, where also they are very narrow: they are fringed with short hairs, and are rounded at the cud. The body measures about one tenth of an inch in length, and the wings expand one quarter of an inch, or more. Two broods or generations are brought to mature ty in the course of a year, and the flies appear in the spring and autumn, but rather earlier in the Southern or Middle States that. in New England. The transformations of some in each broad appear to be retarded beyond the usual time, as is found to be the case with many other insects; so that the life of these individuals from the egg to the winged state, extends to a year or more in length, whereby the continuation of the species in after years is made more sure. It has frequently been asserted that the flies lay their eggs on the gram in the ear; but whether this be true or not, it is certain that they do lay their eggs on the young plants, and long before the grain is ripe; for many persons have witnessed and testified to this fact. In the New England States, winter wheat, as it is called, is usually sown about the 1st of September. Towards the end of this month, and in October, when the grain has spronted, and begins to show a leaf or two. the flies appear in the fields, and having paired. begin to lay their eggs, in which busines they are occupied for several weeks. The following interesting account of the manner in which this is done, was written by Mr Edward Tilgaliman, of Queen Ann county Maryland, and was published in the eightic volume of the Cultivator, in May, 1841. By the 2nd week of October, the first sown wheat being well up, and having generally put forth its second and third blades, I resorted to my field in a fine warm forenoon, to endea vour to satisfy myself, by ocular demonstration whether the fly did deposit the egg on the blades of the growing plant. Selecting a favourable spot to make my observation, i placed myself in a reclining position in a furrow, and had been on the watch but a minute or two, before I discovered a number of small black flies abghting and sitting on the wheat plants around me, and presently one settled on the ridged surface of a blade of a plant completely within my reach and distinct observation. She immediately began depositing her eggs in the longitudinal cavity between the coming among us, (for we are sending little ridges of the blade. I could distinctly see the eggs ejected from a kind of tube or sting. After she had deposited eight or tea eggs, I easily caught her upon the blade, and wrapped her up in a piece of paper. I then proceeded to take up the plant with as much as I conveniently could of the circumpacent earth, and wrapped it all securely in a piece of paper. After that I commenced my observations on the fly, caught several similarly consied, and con that of minut, reddish specks. My own mind being thus completely and fully satisfied astothe mode in which the egg was deposited. I proceeded to my awelling and put the plant with the eggs upon it is a rege glass tumbler. adding a little water to the en. and secured the vessel by covering it with pape, so that no insect could get access to the interior. The paper was sufficiently perforated with pin-holes for the admission of air. The tumbher with its contents was daily watched by myself to discover the lutching of the eggs. about the middle of the fifteenth day from "Johnson's Encyclopædia;" it contains the the deposit of the eggs, I was so fortunate as grate natineg on them. The whey, of which you field belonging to Mr. Shepherd, and also in most recent information that we have met to discover a very small magges or worm, of