occasionally, and give my fowls a run in the garden and field adjoining their yard, for a few hours in the day, when grasshoppers and other insects are plenty. had two objects in view; one to benefit the fowls, the other to destroy the insects It will be found, that the fecundity of the hen will be increased or diminished according to the supply of animal food for-

Hens moult and east their feathers once every year, which generall commences in August, and lasts till late in last feathers are replaced by new caes, til these are full grown, the wast-.ag of the nutritive pri es, prepared from the blood for the very purpose of promot cause her egg to grow.

Old hens annot always be depended on for eggs in the winter, they scarcely being in full feather before the last of December; and then, probably, may not begin to lay till March or April, producing not more than twenty or thirty eggs; and this is probably the cause of the disappointment of those who have supplied themselves at the markets for their stock to commence with, and get but few or no eggs. As pullets do not moult the first year, they commence laying before the older hens, and by attending to the period of hatching, eggs may be procured during the year. An early broad of chickens, therefore, by being carefully sheltered from cold and wet, and fed once a day on boiled potatoes, warm, with plenty of grain, in the feeding hoppers, (which will be hereafter described), and occasionally a little animal food, will begin to lay in the fall, or early in the winter.

"When," says Bosc, "it is wished to have eggs during the cold season, even in the dead of winter, it is necessary to make the fowls roost over an oven, in a stable, or to creet a stove in the poultryhouse on purpose. By such methods the farmers of Auge have chickens fit for the table in the month of April, a period when they are only beginning to be hatched on the farms around Paris, although farther to the south. It would be desirable to have stoves more common in poultry-houses near cities, where luxury grudges no expense for the convenience of having fresh eggs."

A writer in the Cultivator under the signature of B., says, "I never allow my cocks to run with my hens, except when I want to raise chickens." He recommends giving them fresh meat chopped fine, once a day; never allowing any eggs to remain in the nest, for nest eggs. "My hens," continues the writer, "always lay all winter, and from 75 to 100 eggs each, in succession. There being nothing to excite the animal passions, they never attempt to sit. I have for several years reduced my theory to practice, and proved its entire correctness.

It must be obvious that the presence of the male is not necessary for the production of eggs, as they are formed whether the male be present or not., Of course such eggs will not produce chickens."

In contradiction to the foregoing, Boswell says, "To promote fecundity and great laying in the hen, nothing more is necessary than the best corn and fair water; but malted or sprouted barley has a good effect, whilst the hens are kept on solid corn, but if continued too long they are apt to scour. It must be noted, that nothing is more necessary towards success in the particular of obtaining plenty all the wire-worms will be banished by the 36,465 tous, and in 1844 39,611, being an adof eggs than a good attendance of cocks, especially in the cold season; and it is also especially to be observed, that a cock whilst moulting is generally useless."
"Man," says Parmentier, "who thinks

of nothing but his own interest, has at-

roving distance. I find it quite advantagement as it seems very hard to pass destroys many of them, and prevents the de- flax, wool and hemp, and grapes and wine, roving distance. I find it quite advantagement as it seems very hard to pass destroys many of them, and prevents the de- flax, wool and hemp, and grapes and wine, roving distance. I find it quite advantagement as it seems very hard to pass destroys many of them, and prevents the de- flax, wool and hemp, and grapes and wine, and prevents the de- flax, wool and hemp, and grapes and wine, and prevents the de- flax, wool and hemp, and grapes and wine, and prevents the de- flax, wool and hemp, and grapes and wine, and prevents the de- flax, wool and hemp, and grapes and wine, and prevents the de- flax, wool and hemp, and grapes and wine, and grapes are the de- flax wool and other things? Help us, good readers, cating new laid eggs."

The method of the ancients was, rich and stimulant food, such as toasted bread soaked in ale or wine, barley half sodden,

M. Reaumur made several experiments with a view to the object in question. A out choice; for in this way, the sum of creical time for all birds. All the period can only produce a certain number of while its lasts, even to the time that the jeggs, we should be glad to have a porgreat quantities of eggs in the season when they are laid, causes an uncommon application. ing this growth, is considerable; and quantity to be spoiled every year, from hence it is no wonder there should not re-main enough in the body of the hence to tion in preserving them; and hence the importance of the question-" Whether it may not be possible to make hens lay in winter?"

TO CORRLSPONDENTS.

J. W., St. George, Nov. 22, rec'd. Port Robinson, 29th do., papers sent.

W. K., Paris, request attended to.

do. always mention the amount of money you enclose.

J. T. Otterville, received.

J. T. Selborne. One of your queries is answered on the 172th page. The other we can answer very shortly by saying that a read, mark, learn, and inwardly digest :-Lawyer should make out his bill or the party may refuse to pay it. When made out the have our thanks for your efforts.

are sorry for your misfortunes and have no objection to your doing as you propose.

CANADA FARMER.

Docember 4, 1847.

THE WIRE WORM.

Our correspondent, Mr. Stephens, assures us of the appearance of this enemy of the farmer in some of the Townships in the western part of this District; we have also heard it complained of in this neighbourhood. Its ravages occasionally destroy whole crops. or render them of so little value as not to be worth the trouble of harvesting. It is generully confined to a particular description of soil, and we have no apprehension that its appearance will be general. Unlike the weevil there are certain soils where it never makes its appearance. To prevent the partial ravages which it may make, every proved remedy should be made known. In nethods which are resorted to to effect its destruction. Mr. Tarrant, in the British Farmers' Magazine, recommends the clean- 122,688-increase 10,488 acres. Suppose sing of infested fields of all weeds, and drilling white mustard seed, by which, he says, end of the season. This, however, is a very inconvenient remedy : the difficulty of ridding | unlion of dollars. In three years, since the the land of the mustard proves to the farmer that he has only exchanged one evil * r value of flax was estimated at £675,000 or another. The use of a heavy roller, when would country has the writer, which

velopment of those it does not hill, so as to and other things? Help us in these inquiries render their power of mischief pretty nearly a solution of vitrol applied to lands infested the great demand for flax at present, I may with the wire-worm; but the costliness of mention that from this port alone, orders are now out for 300 tons of flax from Egypt, and for 2000 to 3000 tons, value \$\mathcal{C}70,000 to \$\mathcal{L}\$ to 300,000 from the Baltic; and certain class of food, and of seeds, he says, are much extolled in many places, as tending to promote the laying of eggs, and to, in England, to destroy the worm. but nothing has yet been determined by This, of course, is an effectual remedy, but the ensuing year, and which it is calculated quite impracticable in this country. Salt, at will consume 3000 tons additional flux, of the eggs laid by the hens of a poultry yard, the rate of four to eight bushels in acre, has value of half a million dollars yearly." There mught be distributed in a far more equa- lately been fired in England with entire suc-November. It is the approach, the dura- neight be distributed in a far more equa- lately been tried in England with entire suction and consequences of this period, ble manner, over the several months of cess. In desperate cases this is a remedy which put a stop to their laying. It is a the year; and if, as is probable, each ben which might be necessary and advisable for our farmers to adopt : for, independant of its tion of them yearly produced in winter, effect upon the wire-worm, salt, on certain The necessity we are under of keeping soils, serves a valuable purpose as a manure and thus a double advantage is gained by its

FLAX CULTURE.

The following remarks on the subject of Flax, are by Mr. Skinner, the veteran Editor of the Farmer's Library, published at New York. We believe that having a due regard to all the wants, exigencies, and circumstanes of our country, the culture and manufacture of Flax must engage a large share of the wheat, our chief export, is threatened with serious loss, and it becomes us to be prepared for contangencies that are very plainly foreshadowed. The remarks of this American shadowed. The remarks of this American writer are just as applicable to Canada as to his own country. Let us be on the alert;

ON THE CULTIVATION AND MANAGEMENT OF FLÅX.

party may take it to the proper officer and hend the agriculturists of the United States get it taxed. A lawyer is not obliged to might have recourse, to diversify their staples, write to a deft. but may ussue a writ at and so, by diminishing the production, augonce. The items seem to be right enough if are inclined to think would several the later. the amounts were so. We can't tell what applied to it, if that labour were enlightened by the amount should be, not knowing exactly a knowledge of the most approved methods of what was done. Not over £1, exclusive of cultivation, and preparation for market. Prowhat was done. Not over £1, exclusive of cultivation, and preparation to make well fessing not to be ourselves by any means well fessing not to be ourselves by any means well Shift, fees. Every thing that is charged versed in the details of this branch of industry, for must not only have been necessary or in is our intention to seek the best lights to be rather legal, but also proved to have been had; not only on this, but in regard, also, to done or the taxing officer will not allow it. Hemp and to all other articles, which, though Yours of 2nd Dec., just received. You of less importance in amount, serve yet to make up the aggregate of National wealth. May it not be assumed that the extension of D. C., Nov. 23nd and Dec. 1st received. We the growth of flux is restrained not only by the substitution of cotton, as a cheaper article of clothing, by the dearness of labour in our country, but also by ignorance of the best kind of land, and mode of preparing it; and especially by an impression that its cuttivatuan as attended with great exhaustion of the

We have just received from England a work lately published there, which appears to go fully into all other views of the subject, besides " the improved mode of the cultivation and management of flax."

From much more that is said on the point of its being a great exhauster, and in contradiction of that impression, we have only room now for what follows in the next page.

We have on other occasions, intimated how much better it would be to form associations for the promotion of knowledge and the growth of particular branches of industry, than to attempt, vainly as we do, to achieve great improvements, by means of a siggle society to embrace a great number of objects. Aiming to do too much, we end by accom-

plishing next to nothing.

In Ireland, a society was lately formed, called the "Flax Improvement Society." Under its suspices behold the steady increase each acre, according to their estimate, to give nn average produce of 600 of scatched flax, ditional value of £141,507 or more than half a formation of the society, the increase in the

James McAdam, secretary to the Belfast in spinning flax, who keep in constant employment at least 10,000 hands.*

Why cannot America rival them in this, as

it has done in the manufacture of cotton and wool? Are not all the mountian valleys, in the neighbourhood of our immeasurable but unused water power in the south and southwest exceedingly well adapted to the growth of flax ! But as to the exhausting nature of the crop, says the writer in hand:

"The main point upon which we rest our assertion that flax is not necessarily an exhauster of the soil, as far as its composition is instructive on this point is this: Exhaustion of the soil, as the word implies, is the removal out of it of those Clements at venetable food which it contains and in ments of vegetable food which it contains, and in the abundance of which its fertility consists. Now plants derive all their immeral portions from the soil—all those portions, in fact, of which, when they are burnt, their ashes consist-and upon the quantity and quality of them their power of ex-

BUT THE FLAX SHOULD BE CARRIED OFF THE FARM; BUT THE FLAX SHOULD BE CONSUMED UPON IT; the the seed should be consumed upon it; the STEEPING WATER SHOULD BE USED as liquid manure—and none better can be applied, the bone or stalk on which the fibre grew, when separated from the flax by the operation of breaking and scutching, should be burnt—as it will not rot for years as manure-and carried to the dung-The fibre is THE ONLY THING CARRIED TO MARKET: and the point to be ascertained by one who cultivates flax as he ought, in order to make up his mind as to the exhaustion of his farm con-sequent on its cultivation, is the mineral matter carried off in the fibre; and this, on Dr. Kane's anthority, and for the satisfaction of all who wish to cultivate the crop, we proclaim to be most in-significant in quantity; in fact, you may take a bundle of flax libre, and burn it, and it will leavo O ASHES.

"I shall conclude these remarks by adding, from the columns of the Agricultural Gazette, a report of the speech of Dr. Kane, on this subject, at of the speech of Dr. Rane, on this subject, at Markethill Agricultural Society. The chairman, W. Blacker, E-quire, sad:— Gentlemen, I teg now to request your particular attention to such observations as D. Kane may be kind enough to

"Dr. Kane said that he felt great pleasure in according to Mr Blacker's request that he should endeavour to explain to the farmers present the principles upon which the employment of the relinse of the flax crops, as mannre, is proposed. It is really very simple; and he felt satisfied that, in that neighbourhood, where so much activity and intelligence were applied to the improvement of Agriculture, it only required that the reasonableness of any practice should be shown, in order that its adoption in practice might be secured. Every farmer present was aware that crops exhaust the soil; that the plants take out of the round a number of materials, and that it was necessary to restore a similar material to the ground, in order to keep up its fertility; therefore, the manure which the farmer puts in with o before his seed is, in a degree, the raw material of which the grown crop is to be made. It is just as much a part of the plant as the seed itself. When the farmer sells and sends away his grown crop, to be used for food, as in the case of wheat, or oats, or potatoes, he hereby sends away and sells the essence of manure which he had put into the ground; and, as he thus gets paid for the manure, when it is exhausted, he must put in a much more for the next crop, which is to be dealt with in the same way. Now, in the case of flax, there is the important peculiarity that it is not manure in the ordinary way, while it takes out of the soil just the sume material as outs or postoce; proved remedy should be made known. In which has taken place! In the spring of 1844 so that it is really a very exhausting crop, if we only the quantity of flax sown was 40,896 logs- look to the growth of it. But the flax crop different the value of seven bushels each, while in 1843 it fers from other crops in this—that the value was 37.400. On the estimate that each hogshead would sow three acres, the quantity of land in 1843 was 112,200; and in 1844, 192.688—increase 10.488 acres. Suppose away a bundle of flax-straw, it will leave behind a large quantity of white ashes, which consists of the different substances which the plant was ont of the ground; but if you burn away a bundle f well-dressed flax, it will leave no ashes. Now, what has become of the ashes? They have evidently been carried off with the waste parts of the plant in the steeping and dressing. They are thrown away; and yet they are materials of which the plant had robbed the soil, and which should be

tempted several means of rousing hens from their torpidity, when they cease at the moraing, is sometimes tried with good effect.

If it does not entirely eradicate the worm, it the naturual period of the year to lay, in-