given back to the sod, in order to keep up its fer-tility. To the practical farmer it is, therefore, of the greatest importance to recollect this principle—that the fibre or valuable part of the flax is not formed by the exhaustion of the soil; but that the materials which the plant takes out of the soil are all found in the steep-water and the chaff; and that, if these be returned to the soil they will restore its fertility, and that thus the flax crop may he rendered one of the least injurious to the ground, and most reminierative to the farmer groupd, and most reminerative to the farmer. I am aware that there are many persons here ready to speak us to the practical use of flax steep-watter as a manure. I should, therefore, rest satisfied with having stated the principle on which it rests. The flux crop can be rendered little or not at all exhausing, by a proper use of its residues as minure: but it must be recollected that, unless! these residues be thus economized, the flix crop

o Since the meeting, Mr. Blacker has received the following letter from Dr. Kane, in reply to some queries of his, relating to the exhaustion of the soil by the ripening of the seed of the flax:—

o' I am glad that you have noticed the subject of the ripening and collecting of the seed of flix, as it is important that farmers should not fall into the error of extending my views beyond their instance in reference to this subject, for the error of extending my views beyond their instance, the ingreens tessue being formed from any tant product of agriculture. And there is and water, the exhrustion of the soil may be counteracted by restoring to the soil, by means of the flax-water, what had been taken away. But when flax is grown for food, or for seed—when this seed is seperated by ripening, then it becomes like wheat, or any other food crop. The formation of the seed takes from the soil introgen and phosphates which are consumed in use, and caunot be returned to the soil. Hence the economy nothing of the milling and mixing, the yeastof the residual flax products as manure refers to
mig and rising, and cakeing and bakeing, and
the crop as grown for fibre, and does not extend
to the growth for food or seed; these like
indispensable production. And he always wheat or potatoes, should pay independently for the good they take out of the land. The flax-chaff is certainly in itself very attractable, but not so much so as it looks. When stepped, all that is of any use is dissolved out; and the dry chaff, when worked up along with fermented stable-dung, will pass into a good mould. The chalf is, however, of little importance compared with the the flax-water, which certainly holds dissolved inne-tenths of all that the plant derived from the ground.
...To W.Blaker, Esq. ROBERT KANE.'"

WORM-WHEAT, BEEF, PORK, &c.

Nonval., Nov. 27th, 1847.

DEAR SIRS, -Since I wrote you last, I have spent some time in the townships of Trafalgar and Chingingousy. You will of course be able to judge of my success, by the list of names that I cuclose; but here in these townships, as well as in others. I met with frequent objections to subscribing, because the postoffice is so remote. It is no doubt, difficult part of the water, will be well paid for their for the department to keep pace with the trouble in fatting it.

wants of a population like ours, that is so In some parts of the country, this year's with any regard to prudence or economy, to appears to be the fact, that unless the fat of place a post-office in every neighbourhood, last winter's unts has been started off the where the inhabitants might desire it. But pork still continues soft and oily. where we find a leading thoroughfare, running through a thickly settled country, we must agree with individuals in thinking it hard, that no mail-bag has ever been opened within less than from 8 to 12 miles of their residence: as is the case on the third line west, in the township of Chingoucousy.

And although, they are not quite so badly off in any section of Trafalgar that I have been in; yet even there on the 7th line, from Oakville to Hornby, there is no post-office a distance of 12 unles, ulthough it is the great leading thoroughfare to the back townships. And here, a great improvement could be made without any additional expense; with the ex-ception of the purchase of a mail-bag, by establishing a depot, when the road crosses Dundas Street, at Post's, or Applebic's cor-her. I was informed that frequent application had been made for this, but some influence was at work that prevented them from ob-

In my communication published in the 20th number of the Farmer, I mentioned something in reference to the ravages of the wireworm upon the wheat, in the township of Trafalgar. I have since learned some facts

"But the stoves save so much fuel,"

"Granted: but it is at the expense of human life! Rooms are made almost he was in the labit of leaving a great part of his land in clover lie, for 5 or 6 years without breaking it up: and he says, that the wire-worm was bred in such quantities, that it almost destroyed the follow
quantities and in clover lie, for 5 or 6 years without breaking it up: and he says, that the wire-worm was bred in such quantities, that it almost destroyed the follow
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quantities days.

"But the stoves save so much fuel,"

days; but gradually became frozen under it is said, be prevented by placing a num
days; but gradually became frozen under it. They would probably endure 30 de
ber of smooth poles, with the larger ends outward, at the bottom or mow on the stack before commencing it, and permitted with a red hot stove, then breathed, then to almost destroyed the follow
quantities and in clover lie, for 5 or 6 years without breathed the almost destroyed the follow
what little remains shut up, is roasted with a red hot stove, then breathed, then to almost destroyed the follow
to always; but gradually became frozen under it is said, be prevented by placing a num
days; but gradually became frozen under it. They would probably endure 30 de
ber of smooth poles, with the larger ends outward, at the bottom or mow on the stack before commencing it, and premit the larger ends outward, at the bottom of smooth poles, with the larger ends outward, at the bottom of smooth poles, with the larger ends outward, at the bottom of smooth poles, with the larger ends outward, at the bottom of smooth poles, with the sait is said, be prevented by placing a

then waited until the season was far advanced, ground was unujured, and what was sown we spent the long cheerful winto on the fallow was destroyed. It would be ings of our youth, building "ca well for those farmers who have suffered the coals" of the great wood fire. from this pest, to look back, and see how far their experience accords with the facts mentioned b ' Mr. McCurdy.

Since viiting the above, I have been told by an old farmer of Chinguacousy, to whom I mentioned the subject, that it had been discovered at the Forty (which I believe is in the Nugara District) that buckwheat preceding is one of the most severe, the find can have, and , fall-wheat, secured the latter crop from the that the loss of substances to the soil is actually worm. It is generally too late to sow fall-greater than with a corn or potatoe crop. — wheat after the buckwh at crop has come off, but it might answer the same purpose to sow buckwheat on the fallows, and plough it down for manure, for which it answers a very good

> nothing that a Canada farmer will listen to. with more enterest and attention, than something about wheat; for between sowing and growing, ripening and harvesting, and threshing and marketing, together with the rising and falling of prices; it occupies his hands or his thoughts, great part of the year. To say ing and rising, and cakeing and bakeing, and cutting and cating—the family share of this indispensable production. And he always delights to associate in his mind, a bushel of wheat and a dollar, and an acre of wheat and at least 20 bushels. And whenever the wireworm, or weavel, or falling prices. &c., &c., separate these pleasing associations, he feels very much in the dumps, especially if there is a large balance under his name, on the debtor side of the storekeeper's ledger.

After I left Dundas a few weeks ago. I overtook a drover behind 140 head of cattle, WANT OF POST OFFICES—WIREthat had been sent down some weeks before, are to be fattened this winter, at a Kingston distillery. On my return from the Hamilton exhibition, I saw a drove of about 200 that were on the road to the lower part of the State of New York: so that the tables are turned, when we are sending beef and flour to the American market.

And now to close this dissortation upon post-offices, wheat, beef, and pork, I remain.

Your obed't serv't, W. A. Stephens.

WARMING ROOMS WITH "HOT AIR" AND STOVES,

I conceive to be "one of the inventions of the devil for destroying human life.' What! stoves? the old curmudgeon! not allow us any stoves? we should knowledge of it will be often useful.

freeze to death!" I hear a thousand tongues exclaim. All of which I don't grees Farenheit; and as a guide from this believe a word of; for when I was once point, it may be said that those fruits, a little boy there were none of these aboninable inventions in that part of of it, will freeze much sooner than those Yankeedom where I was warmed into which contain less. existence by one of these old-fashioned christian fire-places, with the "old settle" in one corner and oven in the other. And who ever heard of folks freezing in those days.

bours who were in the habit of ploughing up death whenever they encounter such a than under any other temperature.

their clover, the second or third year, had blast as our ancestors would have consid
Beef brine or pickle of hams were not season, sown a field of oats very early in the stoves in a well ventilated kitchen, I don't it safe to test them. spring, which had a most promising appears, and then, the whole crop disappeared, eing cut off by this "creeping tking": He case when loused in the comployment and utility of guano; but to callie, and when badly injured, as frequently the case when housed in damp state, had better at once be throw this "creeping tking": He comfortable or healthy.

In a room warmed by a fire-place, there the manner in which it is applied as ma-

But I have done. I am aware that I am in a heathen land, where stoves are worshipped, and to avoid "burning my own fingers" I must how my knees to the national idol. friend, Solox Robinson.

Our friend is pretty hard upon the air tights," We have used one for 3 winters, and do not see that there is any need of suffering the evils pointed out On the Contrary, we are more in favor of tight stoves, and never intend to use any other as long as we can get them.

Still there is a liability to the evils of which Mr. R. speaks. And if the stove, placed in a small tight room, is to be kept fully charged, and the doors kept shut, however hot it becomes, the results are easy to be told. If any one is silly enoughto manage in that way, we would commend him to the open fire places; and advise him that "caution is the parent of safety."

It is for their immense power and teadiness, that we prefer tight stoves. The room can be heated at once, and the door throws open fresh air; and thus the air of the room can be changed as often as desired. Then the stove can be closed, and a steady warmth maintained all day, and nearly all night. It is not necessary to keep the room any hotter with this stove than any other. Every room where one is used, should be supplied a thermometer—an implement costing from 75 cents to \$2, and which should be kept in every house-and when the mercury rises above about 75 degrees, open the door.

It cannot be denied, nevertheless, that ventilation must be more studied in the construction of houses. At present there is comparatively no attention paid to it. While the old fire-places were in use, there was no need of it—indeed, there was I have but little doubt that those who will do much already. But a different mode have stall-fed beef for sale, during the latter of warming has been brought into use. while no mode has been studied of correcting its habilities to evil.

It ought to be known that we cannot rapidly increasing; and perhaps impossible pork is affected by last year's becchauts. It secure the greatest economy of heat, without sacrificing ventilation; nor can we ventilate perfectly without some expense of neat. What we need is to secure the benefits of both with the least-loss.— Prairie Farmer.

TEMPERATURE OF CELLARS.

The question is often asked, thow cold a cellar may be without injury to its con-tents. This, it is very true, will depend upon what the cellar has in it, but the the temperature which the most important articles usually stored in such places will beer, is easily ascertained, and the

point, it may be said that those fruits, roots or vegetables, which contain most

For the sake of experiment, we have kept thermometer in a cellar this winter. We found that pumpkins would freeze at precisely 30°; beets and carrots bore 285, and even 26°, well enough for a few

and sowed with oats again; and the result is a constant current of pure fresh air nune in Peru, seems to be but luttle was the same. After this, he sowed hah he kept up by the draft of the chimney, known. The Peruvians use it chiefly in field in buckwheat, and followed the rest; and Besides, who can forget those healthy, the cultivation of maize and potatoes. A sowed fall wheat on the whole; and the result happy hearths of and lang sync, where few weeks after the seeds begin to shoot, we spent the long cheerful winter even- a little hollow is dug round each root, ings of our youth, building "castles in and is filled up with guant, which is afterwards covered with a layer of earth! after the lapse of 12 or 15 hours, the whele field is laid under water, and is left in that state for some hours. Of the Guano Blanco a less quantity suffices, and I remain your frozen the field must be more speedily and better watered, otherwise the roots will be destroyed. The effect of this manure is incredibly rapid. In a few days the growth of the plant is doubled. If the manure is repeated a second time, but in smaller quantity, a rich harvest is certain. At least, the produce will be threefold that which would have been obtained from the unmanured soil. The haciend of the valley of Chancay have, during the last fifty years, consumed annually from 33,000 to 36,000 bushels of guano brought from the islands of Chucha, and Pisco. The price of a busnel of coloured guano is one dollar and a quarter, and the price of the white from two to three dollars. The price has recently undergone many fluctuations, in consequence of the great exports to Europe. The employment of this kind of manure is very ancient in Peru; and there is authentic evidence of its having been used in the times of the Incas. The white guano was then chiefly found on the Islands opposite to Chincha; so that for upwards of 600 years the deposit has been progressively removed from those Islands without any apparent decrease of the accumulation. The uniformity of climate on a coast where there is not much rain must contribute to render the Peruvian guano a more arid manure than the African, as fewer of the saline particles of the former being in solution, they are consequently less subject to evaporation.

Tomatous for Cows.—It is not generally known that this vegetable is a superior article of food for milch cows. We have tried it two summers and find it decidedly superior to any other food we have yet tried. They add as greatly to the quantity, as to the richness of the milk, and a rich golden colour to the cream, and butter, which is at least pleasant to the eye, even if the flavour was not improved. We do not know, however, that they impart any richer flavour to the

We have known cows to refuse them when first off red, but soon became very fond of them; others, we believe, a large majority, eat them greedily from the

Thus far we have fed them only in a raw state, but if boiled with corn meal, say half and half, or two thirds tomatoes, it will doubtless be far better.

To one who has a dairy farm, the cultivation of an acre or two of tomatoes. would be repaid by a greater profit than any vegetable we know. From an acre not less than eight bushels might be gathered every day, from July until frost.

There is some trouble in picking them, but then nearly every farmer has children; his little boys-ay, and big boys too, who will not be the worse for a little work. We should be glad to see the experiment tried on a larger scale than ours, and to learn the result.

quantities, that it almost destroyed the following crop; and he has on diging up the old hast chance of renewal, until the occupaid no attention to the above named declover, seen as many as a hundred worms in pants of such rooms become so enfeebled
a single root; and he observed, that his neighthat they are in dang ref freezing to with the mercury standing from 26 to 28,
of the gasses arising from fermentation. of the gasses arising from fermentation. The more of tuese there are, the better comparatively escaped injury from the worm. cred a healthy breeze. As for cooking affected at all: but we did consider it der of any kind, is by no means palatable to cattle, and when badly injured, as is frequently the case when housed in a damp state, had better at once be thrown