#### FARMERS COLUMN.

A writer in the New Haven Journal gives warning that the potato beetle must be handled cautiously by persons having cuts or bruises through which poison may be disseminated, and utters an especial caution to avoid the inhalation of voltaic odors arising from scalding, burning or crushing considerable numbers at a time. This work should not, therefore, he committed to children.

VALUE OF FOOD .- An interested reader of the reports of the American farmer's club sent the following estimate of the different value of food : Taking timothy hay as a standard of comparison, and assuming that it requires one hundred pounds of it to supply a certain amount of nourishment, he finds after careful experiment, that the same amount of nourishment can be obtained by using the following quantities of food :- Oil cake, sixty four pounds; buckwheat, same amount; oats, fifty-nine pounds; corn, fifty-six pounds; barley, fifty-one pounds; rye forty-nine pounds; beans, forty-six pounds; peas, forty-four pounds; wheat, forty-three pounds; beets, 346 pounds; carrets, 280 pounds; potatoes, 195 pounds: straw, 220 pounds; rye straw, 220 pounds, and clover have ninety-five pounds. and clover hay, ninety-five pounds.

BUCKWHEAT AS A FERTILIZER.-Nature gives us three plants peculiarly adapted for fertilizing worn out lands, viz.: Peas, clover and buckwheat; of these clover is most used, and is best known, but as a crop on very badly used land it is hardly equal to either peas or buckwheat. Peas will do better on poorer land than either of the others, and can be followed the second season most profitably by buckwheat, after which clover will thrive well. The best way to utilize either peas or buckwheat is to sow broadcast in June and turn under with a large two or three horse plow the vines or stalks when in full bloom, and just before the maturity of the seed begins. In this way all the phosphorus, nitrogen and carbonic acid, which the plants have gathered from the atmosphere, is absorbed by the loose soil, which thereby obains a bountiful supply of phosphate food for all kinds of cereals. Lands that are too thin to produce good crops of peas or buckwheat, can be first treated to a crop of rye, which should be sown in the early fall and turned under with a plow in the green state, in May following. This fits it for the reception of either peas or buckwheat in June. In case the peas or buckwheat can be sown in May, two crops can be ntilized in one year by allowing the first crop to become ripe, and then turn them under with small plows, and do the same with the second crop, only use large plows, just before the frosts of October. A great benefit will be derived from sowing broadcast over either peas, rye or buckwheat. A compost of ashes and landplaster, consisting of seventy-five to one hundred pounds of the latter, and three to five times as much of the former, per acre. Old, wornout lands, with a good clay subsoil, treated in this way for two years, pays better than any invest-ment a farmer can make—it is better than lending his money at twenty-five per cent, interest.

A REAL FRIEND TO FARMERS .- A few days ago we alluded to the fact that red lead, sprinkled over seeds or grain about to be sown, affords an effectual defence against the depredations of birds. A correspondent of a Scotch newspaper gives an account of the discovery of an equally effective remedy against noxious insects, grubs, wire-worms, &c., which has the additional property of being an excellent manure. This substance is nothing else
than ordinary paraffin oil. The writer in question,
having his crops of beans and peas destroyed by

LE LE II I I U G

Should be kept in every nursery. If you would
have your children grow up to be HEALTHY, STRONG
and YMENEOUS MEN and WOMEN, give them a few doses rats and mice, his onlons attacked by maggets and of his turnips devoured by the fly which is only too well known to feed on that root, was at his wits' end for a remedy, and hit on the expedient of soak ing his seeds in paraffin oil before sowing them. The odor of the oil acted as a charm, and none of the seeds so treated were touched, while their vitality was not only unaffected, but their growth was accelerated to a wonderful extent, and the crops usual way grew to a height of fifteen inches, while contiguous rows of the same seed, after being ed for a night in the oil, produced plants four feet in height. The importance of this discovery, if it can be practically applied on a large scale and at a slight expense, is hardly to be estimated. The proper proportion of oil appears to be about two wineglassfuls to six gallons of water, for a manure for vegetables and roots; while diluted to a greater extent, it may be applied as an insecticide, for vines, flowers, &c. The paraffin mixed with dry earth, and applied in this way to the soil, is equally effective and more convenient. If all that is claimed for this material is found to be equally attainable on large farms, farmer's troubles will be reduced to a minimum. Rats and mice will be chased away. They will defy the attacks of grubs and blight. Wireworm and turnip fly will cease from troubling them; and perhaps even the dreaded Colorado potato bectle will be exterminated, and the phyllozera driven from the vineyards; while agriculturalists will not have to spend auxious moments in calculating how long the Peruvian guano deposits will continue to supply their demands .- Hamilton

SUMMER CARE OF FOWLS .- Healthy fowls will lay healthy eggs, which will hatch healthy chickens, and if they have good care will never be sick. I feed my old fowls, says a correspondent of the Country Gentleman, all the corn they will eat, and give them all the water they will drink. They have a good walk, and I am well satisfied with the return in eggs. They have laid all winter. Some of my hens are eight and ten years old, and are good layers still. When chickens are hatched I place the hen and chickens in a box three or four feet square. I give no food the first day; the second I feed hard boiled eggs, chopped fine, and bread wet with water squeezed dry with the hand. I had good success last summer with ground wheat, wet with milk or water. I have also had good success with corn meal, wet with milk or water, mixed hard. I keep the hen and chickens in the box a few days, then turn them out to run where they please, in wet grass or dry, in search of insects, place. My fowls are bardy, and the Derby cocks and hens will drive off the hawks. In Illinois, I once placed a clutch of early chickens in a room, having saw-dust on the floor; the feet of two turned up; I soaked their feet with linement, and turned them out to take their chance. In a few days their feet were well. Lice on fowls, when numerous, are very annoying, causing their eyes to become sore. They go to the eyes and vent, and rubbing salt, butter or lard about those places will destroy them. Fowls often become blind from cold in their heads, the passage from the eye to the mouth being closed with mucus. Wash with warm salt water; pluck a strong neck-hackle feather having a smooth end; hold the fowl with the left arm, the head with the left hand; open the mouth with the thumb and finger: run the end of the quill gently into the roof of the mouth, to the outer edge of the eye which is sore. When the quill appears, take hold of it and pull it through. This will open the passage if closed. Neverfeed whole grain to sick fowls, but always soft food. Blind fowls placed in a box or coop will find the food and water if it is placed there. Cover the bottom of the box with sawdust or dry earth; keep clean; sprinkle the coop with vinegar; place a roost about four inches from the floor, and they will find it. 1,57 DR. M'LANE'S CELEBRATED A

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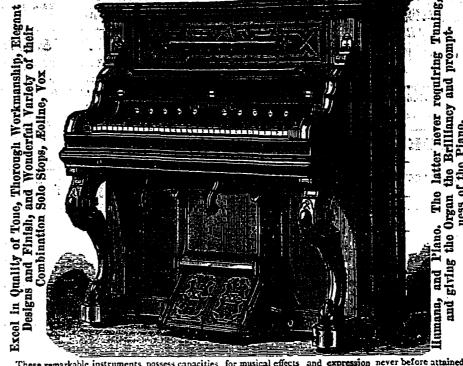
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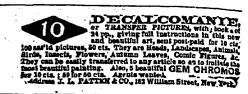
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