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Patrons answering or in any way correspinding with those savertising in these columns will ablige us by saying they saw the sivertisement in those columns.

THE GRANGE.

Brother Patrons are requested to contribute for this column, and to send their communi-cationalized to the office of publication, Wel-land, Out.

CUMBERLAND DIVISION GRANGE, NO. 52. N. S.

The Grange met in the Music Hill at Amberst on Thursday, the 17th inst., at 2

The Grange was opened in due form by the Worthy Master, A. C. Carter. The committee or credentials reported that nine sub Granges were represented. The Secretary read the minutes of the previous meeting. Minutes confirmed. The Worthy Master called on the chairman of the several committees for report, and the afternoon until tix o'clock was occupied in hearing and discussing the reports. The committee to make arrangements for tea stated that they had attended to that matter, and that tes was provided in the basement of the Presbyterian church. The Grange then adjourned for tes, to meet again at 7 o'clock. The number of delegates and members present, about 80 sat down to a capital spread, all much pleased with the arrangement.

At 7 o'clock the Grange resumed labor. and the Secretary read the subjects that had-beed prepared by the Executive Com mittee for discussion.

lat. Will is pay the farmers of Nova said farms with tiles or in any other way? I so match.

2nd. Will it pay farmers to buy artificial manures?

3rd. Will it pay to arrange our stables to save the liquid manure?

4th. Are Granges doing as much as is required of them to instil a love of agricultur" arsuits in the rising generation?

The debate on the first subject was opened by Bro. Hiram Humphrey, in a good speech, followed by Bres Sharp and Black of Amberst, who spent some time at Guelph Agriculture College, and gave some useful information. Quite a number of the delegates and members present took part in the discussion. At helf-past nine the Worthy Master closed the Grange.

This Division Grango meets in Amburst in October next.

Before closing a vote of thanks was tendered to the committee for the provision made for tea, coupled with the request that they be requested to act at the next meeting.

GRANGE NOTES.

Rayal Grauge, S evensville, will hold its next regular meeting at their hall, west of Steven-ville, on Saturday, August 25th. Members of the order from all sections, are respectfully invited. The Grange is flourwhing, and desires to make its meetings interesting.

"Pomona Grange, Clermont Co., Ohio, held their last meeting at the residence of E R. Duckwall, Esq., Elkleck Mills, at 9 o'clock a. m., and in the afternoon held a public session, as published in the American Grange Bulletin of the 7th met., had antheir programs : Essays, any subject, by Merrit Jhnson, on "co-operation of farmere,"E R. Duckwall; on any subject, J. A Bajec any suject, Miss M. Boyce." We publish the above ta illustrate the mode by which our eister Granges in Opio and elsewhere are properly placing the merits and intentions of our order before the farming pulle. They are demonstrating the fact that our lodge rooms are schools when information of valve to the greatest industrial class of our land may be obtained. We would suggest to our l'atrons of Husbandry of Canada, that they hold many more open sessions and induce the farmers outside ofthe order to attend and learn the true principles of our order. By holding these public secsions we will make our lidge from the juscet, while it was detrimental rooms more interesting to present members.

The Canadian Grange meetings are not noticed as often as we desire in the Can-ADIAN FARMER AND RECORD simply because secretaries do not send us the information for publication. Oslige by amending this omission and you will be surprised at the attendance of members.

Jersey suits are as much liked as they ever have been, and show a skirt of plaid, with a Jersey of Otto pan-clastic or stocking net, which fastens at the back, and is completed by a sash, cuffs and collar of the plad.

Muslin bonnets and round hats, tinted and white, with full cap crowns and brims of pleated lace, appear among other pretty novelties in millinery. These are intended for children and also for young ladies' wear at Summer resorts.

Hand-painted sashes of silk or satin, in pale or dark colors, will be much worn this Summer, over simple house dresses of French maslin, organdie and lawr. Scotia and New Brunswick, who own low With more dressy toilels for the evening wot farms to borrow money to underdrain | graceful little sleeveless jackets are made

STOCK

STRAY NOTES

Put blood on the bases of trees where rabbits gnaw. They will not go near blood.

Onion seeds sown now and left in the ground through the vinter with a mulch of hay or straw, will make fine bunch onions for next spring's use or sale.

Start roses and many house plants for next winter blooming by putting in cuttings this month. Fill pan or shallow box three-fourths full of rich earth and an inch of pure sand on top, and put in this the cuttings. Keep covered with glass or out of the wind and sufficiently watered to prevent surface from getting to dry.

Garden slugs, when they decome a nuisance, may casily and safely be adated. Distribute p city liberally over the garden flat pieces of stone or bits of slate or zinc At right-fall put a little bran on each fragment, and soon the slugs will come out from among the plants and shrubs to feed upon the bran. When it is dark go out with a lantern and a parl containing some strong brine, and remove the slugs from the bran-baited surfaces and place them in the pail where the salt and water soon will dispose of the pests.

There are but few farms where it will not pay to keep at least a few sheep, and the smaller the flock, as a rule, the greater the proportion of profit realised therefrom. If it will pay to raise common sheep it will surely pay to raise thoroughbred ones, and what breed it will be best to have depends entirely on circumstances and surroundings, such as location, soil nature of the lane, nearness to market etc., When the land is rough and hilly, and where it is also comparatively cheap and distant from market, rhe famous Merinos will be sure to do well, as they are bardy, vigorous, prolific and produce good salable fleece. Where heavy weight, doth of careas and fleece, is desirable we recommend the Cotswolds, though they are not so sturdy as the Merinos .- N. Y. Heroll.

Air-slaked lime dusted over the plants white wet with dew is unquestionably beneficial, and in dry weather its effects aro quite lasting.

We tried also kerosene mixed with sand sand, at the rate of one ounce of the form er to a pound of the latter, but the mix ture had little influence in projecting to the growth of the plant.

Bubach powder mixed with acohol and this mixture reduced with water was ap plied in different degrees of dilution with out marked effect.

Soluble phenyl proved nearly or quite valueless, for when applied in sufficient concentration against the beetles, it injured or destroyed the plants.

It is well to note that plants grown in a frame made of twelve-inch boards were not perceptibly injured by the pea-beetle. This insect, though very agile, rarely jumps high, hence in many cases we may prevent its attacks more easily in advance than we can subdue its injuries after their access to the plants.

This Naltica, is a very timid insect, and when disturbed can be seen jumping in every direction from the danger. Through this feature of its habits, it may qe possible to drive it from the scens of its op crations where its abundance is absolutely destructive to the corp, and then to protect the plants now freed from . prescuee by surrounding the bed with boards. As many of the plants subject to its attacks are grown in beds which supply plants for transplanting, this remedy seems often to be a feasible one.

The presence of the radish fly, Anthonya radicum prevnts us from growing perfect radishes 'u our heavy soil. So far as our observations determine, none of the applications noted above is of avail against this rest. We noted, however, that in a bed of radishes of which the soil had received a very liberal mulching of cont usies last season, the roots were almost entirely free from the magget.

We found also that bi-sulphide of carbon applied to the soil destroyed the mag gots that had not yet penetrated the roots, but the use of this remedy is accompanied py so many disadvantages that we must consider it in general as impracticable.

CALF REARING.

Culf rearing might be made much more profitable thau it is. It is a common practice to sell calves when only four weeks old, or as soon as it is profitable to dispose of them. This practice rids the farmer of the calf in a short time, but does not bring so profitable a sturn as it should. Calves should dakept till six months or a year old, and pa well fed, so as to welch five hundred or six hundred pounds at six months, and eight hundred to one thousand pounds at one year old. Such calves would sell at a price that would well repay the owner for raising them. A pound of ment can be produced at a much less cost by feeding a young animal than by feeding an older one. Careful experiments conducted by Dr. J. B. Lawes, of England, clearly prove that the cost of putting on live weight is in proportion to the age and size of the animal. It costs much less to produce one hundred pounds of flesh by feeding a thrifty calf than it does to preduce the same weight of flesh by feeding a three year old steer. The alm of our farmers should be to produce their meat in the cheapest possible manner, and with this object in view they should feed their calves well, and feed them several months, so as to produce as much thesh as possible and at a low rate of cost. Farmers seem to suppose that to produce large fat calves is very expensive and not profitable, and think that they cannot afford to do it.

They associate the production of large rdy, s with f eding of large quantities of shole milk-perhaps giving one talf two. or three rows to feed from. Such practice, however, is not essential in rearing calves. It is not even necessary to give them all the new milk from one cow, only for the first few bays. Large calves can be raised on skim mily and certain kinds of grain and grass. The tood must be properly combined, proportioned and prepared, and be feed in sufficient quantities. Few farmers feed their calves enough. Calves are large feeders, and ample sup plies must be furnished if the best results results are to be obtained. It is the extra food which brings the profit. A large nart of the food caten is used for sustaining the life of the animal, and the surplus beyond the needs of the system for this purpose roes for the increase of nesh. The more the animal can be made to est and digest the more profitable it becomes to foed it .- Boston Globe.

Salt boiled in water, a pound to the gallon, and applied hot through the spreading nose of a watering-pot-"a pound per square yard"-was sufficient in the evperience of an English gardoner to keep weeds and worms from gravel walks for three years. Another experimenter profers sulphuric said, diluted with three times its bulk of water.