

News And Views Of And For Canadian Farmers

A SERMON ON SEEDS

Prof. C. A. Zavitz, of the O.A.C.

Good Varieties. Freedom from Other Varieties. Large, Plump, Sound, Well Matured Seed. Seed of Strong Vitality. Freedom from Diseases such as Smut, Scab, etc. Freedom from Weed Seeds. These were the six heads under which Professor C.A. Zavitz considered the good seed proposition at Guelph last week when he applied the lessons of the past year to practical agriculture.

of tests repeated from four to nine years. Very poor returns have been obtained from grain broken or split by the separator and peas injured by the pea weevil, said the speaker. From germination tests which were made at the College it was found that only about 21 per cent. of large peas and 41 of small peas which had been injured by the pea weevil would grow. In many instances the weevil completely destroyed the germs and in other instances weakened the vitality and produced plants of uneven growth.

Freedom From Diseases. "There was an unusually large amount of smut during the past season," said Prof. Zavitz. "It is probably a conservative estimate to put the loss in the oat crop caused by smut at from ten to twelve per cent. and in the winter wheat caused by stinking smut at from four to six per cent. This would be a direct loss to the Province of about five million dollars. If farmers had treated their seed grain last autumn they might have had the grain practically free of smut this year.

rot, and two varieties had upwards of fifty per cent. of rot under similar conditions. Taking the average of experiments for five years it has been ascertained that those varieties which were the freest of rot were the Davies' Warrior, the Extra Early Eureka, the Stray Beauty and the Hoborn Abundance, and those most subject to rot were the Early Rose and the Beauty of Hebron.

CHOPPED STUFF. What about organizing a farmers' club in your community? Select a nice warm day to brighten up the stables with a coat of whitewash. A little cold will not hurt the pigs, provided they have an abundant and dry litter.

BRIGHT PROSPECTS. Canada in Best Position to Supply Demand For Live Stock. Speaking from the standpoint of the packer, Mr. Ferguson, of Swift's, Chicago, gave this good news in his address, given at the recent Ontario Provincial Fair, on "The Shipping and Marketing of Live Stock."

SPOILED SILAGE. It is Dangerous as Feed for Farm Animals. Spoiled silage may not seem to injure some farm animals, but it is dangerous to others, and has lost much of its food value for all.

BURRELL'S OPTIMISM. "I believe that while the outlook for the live stock industry is bright at the present time, and while the field for starting was never so propitious as at the present time, and while I believe that men have money (and most of the farmers have a little this year) could not pursue a saner or wiser policy than to go into live stock on a larger scale than ever before."

LIMING OF SOIL. By the continued applications of immense quantities of manure every year it is often found that vegetable garden soils have become acid. This is particularly so in muck soils. Plants cannot grow to their best advantage in acid soils. Lime is a corrector of such conditions.

son the western portion of the state has produced the best crops known in years, and it is deemed advisable that the feed be preserved at this time to guard against "lean" years. The pit, or underground silo is not expensive, and is easily constructed, requiring little outside help or skill. No expensive forms are needed. The silos do not blow down, and they are fireproof, which are two factors in their favor. Lime is a corrector of such conditions. It is kept in good condition longer than in the ordinary silo. The silage fed in winter helps cattle to relish the buffalo grass and other roughage.

The Latest Market Reports

LIVE STOCK MARKETS. Toronto. Toronto, Dec. 30.—The quality of the cattle offered at the Union stock yards to-day was bad and prices were from 15c to 25c lower. Hogs irregular and a little easier. Receipts: 629 cattle, 31 calves, 789 hogs, 107 sheep. Prices were: Butcher cattle, choice, \$6.75 to \$9; medium \$6.25 to \$7; common \$5.50 to \$6; butcher cows choice \$6.25 to \$6.75; medium \$5.25 to \$5.75; canners \$3.25 to \$3.75; bulls \$4.25 to \$7; feeding steers, \$6.25 to \$6.50; stockers, choice, \$5 to \$5.25; light \$5 to \$5.50; choice, milkers, \$6 to \$9.50 each; springers, \$6 to \$9.50.

hay, \$17.50 per ton at the track. No change is noted in the top price for hay at New York this week. Prime timothy hay sells from \$1.30 to \$1.35 per 100 lbs.; No. 1, \$1.20 to \$1.25; No. 2, \$1.10 to \$1.15; No. 3, 95c to \$1.00; Clover, 90c to \$1.15; rye straw, 65c to 70c, according to quality. Coarse Grains.—Belleville, 35c to 36c per bus.; Cobourg, 37c to 40c; Chatham, 35c to 37c; Harriston, 36c; St. Thomas, 38c; and Stratford, 37c. Barley—Belleville, 55c per bus.; Cobourg, 55c to 57c; Chatham, 50c to \$1; Harriston, 50c; Peterboro, 60c; St. Thomas, 55c; and Stratford, 49c to 45c. Cheese at Montreal is strong in tone but unchanged from last week, and finest Western Ontario colored cheese is still selling at 17 3/4c to 18c; with white at 17 5/8c to 17 7/8c; and fine Eastern Townships cheese, 17 1/4 to 17 1/2c per lb.

feed, 34c. Flax—No. 1 N.W.C., \$1.91; No. 2 C.W., \$1.88. Minneapolis. Minneapolis, Dec. 30.—Wheat—No. 1 hard, \$1.22 3/4; No. 1 Northern, \$1.19 3/4 to \$1.20 3/4; No. 2 Northern, \$1.17 3/4 to \$1.18 3/4; December, \$1.19 1/2; May, \$1.29 3/4; Corn—No. 3 yellow, 77 to 78c; Oats—No. 3 white, 41 1/2 to 42c; Flour and bran unchanged. Duluth, Dec. 30.—Wheat—No. 1 hard, \$1.29 1/2; No. 1 Northern, \$1.19 1/2; No. 2 Northern, \$1.15 1/2 to \$1.16 1/2; Montana, No. 2 hard, \$1.16 5/8; December, \$1.20 5/8; May, \$1.29 5/8; Lined—Cash, \$2.16 to \$2.15 1/2; December, \$2.15; May, \$2.20. Kingston Markets. Kingston, Dec. 31st. Meats. Beef, local carcasses, 11 to 12; Beef, hinds, lb., 11 to 12; Beef, cuts, lb., 15 to 23; Beef, western, by carcass, lb., 11 to 12; Hogs, live, cwt., 9.00; Hogs, dressed, cwt., 13.99; Lamb, spring, by carcass, lb., 14; Mutton, carcass, lb., 11; Veal by carcass, lb., 10; Veal by qt., lb., 08 1/4. Fish. Bloaters, doz., 15; Clisoes, lb., 50; God, steak, lb., 12 1/2; Fillets, lb., 12 1/2; Pinnac haddock, lb., 12 1/2; Hells, lb., 10; Haddock, fresh, lb., 12 1/2; Halibut, fresh, lb., 15 to 20; Haddock, frozen, lb., 08 1/2; Herring, fresh salt water, doz., 50; Klippers, doz., 50; Mackeral, 15; Oysters, qt., 50; Oysters, shell, doz., 15; Pickled, lb., 20; Perch, lb., 05; Pike, lb., 12 1/2; Rock-fish, lb., 05; Salmon, lb., 15.

FEATHERS WANTED. DOWN ONLY Highest Cash Prices Paid. WRITE JOHN MCKAY LIMITED THE FUR HOUSE KINGSTON ONT.

New Business Announcement. In the early Spring of 1916, a Granite and Marble shop will be opened at 397 Prince Street, by George McCallum & Son, Granite and Marble Dealers, of Tweed, Ont. A first class shop will be erected on the premises and will be equipped with complete, modern machinery, such as pneumatic tools, air compressor, electric motor, and polishers. In fact everything for the successful production of first class goods.