WRITTEN for FARMING by G. F. MARSH, B S.A., Thornbury, Ont.

On June 28th last, just as the bell on the tower on the old city hall was ringing the hour of noon, we steamed into the Royal city of Guelph. The city try. We were informed that a twenty looked familiar after an absence of acre field of barley which we had dividend can be shown on the right several years. The most noticeable noticed on the way up, and which was side of the balance sheet. This would change is the electric car system which is now extended to the college, this year, had been sown with this stitution, and also act as a good object a distance of a mile and a half from town. This must be a great accommodation to the public and also to the of years given much better results than advantages which the ordinary farmer boys: but at the same time must be quite an effectual means of extracting the nickels from their pockets, especially recently imported from France, has ment stations? This was Mr. Renwhen they take their lady friends up to not only come out ahead, but has a nie's contention before going to the see the college sights.

Atter a while we managed to get a vainly trying to handle the enormous lers as one of the best milling wheats crowds. We noticed many fine buildings which have been built offers. place where we could hang on to the three pounds over the standard weight. mgs which have been built of late years. Evidently the college has been an aid to the increase of land values in the vicinity. On nearing the city we had noticed the prevalence of blue weed, one field especially was completely covered with it. A few years ago, when there was only an occasional plant to be seen, we the Dawson's Golden Chaff stood up who was an enthusiast in the destruction of weeds, used to warn us as well as the neighboring farmers against this pest; but his advice has evidently not been taken in this vicinity as is shown by appearances.

stop was made at the gymnasium, where a lunch was served. This is an improvement on the old days, when we in the fields, and the excursionists had to be content with the blue dome of heaven as a protection from the sun and wind. Dr. Mills was there to welcome the strangers to the college with all his old-time vigor. Indeed, time seems to have dealt kindly with him, and he still greets the exstudent with the same warm grasp of one of the old boys of the college and head of the experimental work of the college, and also of the Experimental Union, an organization of ex students and leading farmers who carry on a system of co-operative experiments all over Canada with the varieties which have proved of most value on the experimental plots at the college. By this means new varieties are distributed, and reliable data obtained of the value on the varying soils and conditions of the different varieties. This department alone has been of incalculable value to the country, as many of the standard varieties of farm crops now generally grown were imported and distributed in this way.

We were first shown the potato The experiments here show that medium whole potatoes give the best results; also that the best method of cultivation is to plant them on the flat five inches deep. Last year, being a very wet season, those planted at a depth of two inches gave the best results, while the year before that being suits, while year considered at a ance for all expenses due to educa- but we were agreeably surprised to find depth of seven inches gave the best tional purposes, is managed on a pay- that with very few exceptions they were results. The plots of bariey next ing basis, as an ordinary farm should of the most favorable kind, very differ-

WITH A FARMERS EXCURSION TO claimed our attention. Here, among be, a large number of varieties, it was easy think to meet the among significant to the control of the support of the suppo to see the superiority of a variety lately imported from Russia-the Mandschueri. This variety has given a much larger yield than any other, both in the farm experiments and also through the Union experiments all over the counvariety. markably heavy wheat, being two or

> out the poorer varieties they have been which has given very satisfactory rerich land it is apt to produce straw of lodged.

After a hurried look over the other plots we followed Mr. Rennie, the ber of the different hand separators, Farm Superintendent, into the barn to together with the other apparatus suitview the six or seven different breeds able for farm buttermaking. Here the of cattle which are kept on the farm faculty have made a pleasing innovafor educational purposes, and to listen tion by the employment of a lady into his lecture on the "cropping" of structor in dairying. the hand, and is as interested in his the farm, which is that of a four course this venture were seen in the increased welfare as of yore. Afterwards we rotation. Two years' grass, plowed number of ladies; there being no less were taken in charge by Mr. Zavitz, shallow in the fall for roots, corn and than twenty in attendance at last year's peas, followed by fall wheat on the pea- dairy class. Miss Rose, the instructor, ground and barley or oats on the root was busily engaged in giving a lecture or corn ground, the mixture used for to a crowd of delighted excursionists

seeding. Seeding down consists of seven four of timothy. Mr. Rennie is a firm believer in shallow plowing, thorough cultivation afterwards, so as to keep the plant food near the surface. In box stalls they have made an average were tied up in the ordinary way. The very large dairies. most satisfactory application for the

turn, as it has an educational purpose to serve; but I consider that all experimental stations should have a farm attached, upon the working of which a ahead of anything that we had seen give the farmers confidence in the in-In oats another Russian lesson. For, if with the best men that variety, the Siberian, has for a number can be obtained, and with the many any of the other varieties. In spring must do without, a profit cannot be wheat the Herisons, bearded, a variety shown, of what use are all the experistiff straw, free from rust, and is a re- farm, and I am glad to see that he is carrying it to a successful finish.

We next went across the street to where the dairy buildings are located. We first visited the building devoted to the creamery department of the Fifty-three varieties of fall wheat dairy school. Here can be seen all were formerly grown, but by "ceding the different cream separators, together with other improved machinery reduced to seventeen. Of these, one for the practical illustration of creamalone had been able to withstand the ery management. In the cheese room recent severe storms of wind and rain; one of the things which caught our atfor, while all were more or less lodged, tention were two cheeses made from 300 pounds of milk, of three per cent. remember how the late Prof. Panton, stiff and straight. In addition to this and four and two-tenths per cent. milk advantage, Dawson's Golden Chaff has respectively. The one from the richer headed the list by several bushels to milk was nearly one-third larger; the acre both at the college and in the thus practically showing the value of Union experiments all over Ontario, rich milk for cheese making, and also The early Genesee Giant is a variety the justice of paying for milk for which has given very satisfactory recheese making by the butter fat test. On arrival at the grounds our first sults, especially on poor land, but on In the curing room a strong stream of cold air was coming in through the a very coarse nature, and is not so sub air duct, and although it was a likely to fill as well as if the straw had very hot day the temperature of the had to obtain our physical education not grown so abundantly in the plots; room was down considerably below on College plot this variety was badly sixty. In the other part of the building s conducted what is called the home dairy. In this room are seen a num-The fruits of and at the same time giving a practical demonstration of the same by churnpounds red clover, three of alsike and ing, working the butter, and putting it four of timothy. Mr. Rennie is a firm up ready for market. In the stables connected with the dairy we saw the Thistle milking machine in operation. This machine seems to do its work his experiments in fattening steers he thoroughly and to be agreeable to the has found that where they have been cow, as we noticed several chewing dehorned and allowed to run loose in their cud while the operation was being proceeded with; but we would gain of over seventy pounds per head consider it too cumbersome and expenfor the winter season over those that sive for practical use, except perhaps in

We then discovered to our surprise horn fly he has found to be a mixture that the afternoon was nearly gone, of one gallon of seal oil and an ounce and that if we would reach home that of crude carbolic acid, applied once a night we would merely have time for a week. Mr. Rennie has made a num- hurried glance through the other deber of improvements on the farm, partments and the several new build-Among others he has taken down the ings which have been recently erected. cross fences and divided the farm into On the way home many and varied four sections of ninety acres each, were the comments which we heard The farm proper, after making allow- made regarding the college and farm,

This is something that I do not ent from what you would have heard taining our attention. There, among the first a large number of varieties, it was easy think has been attempted by any other a few years ago. In this respect the to see the superiority of a variety lately government experiment station. The excursions are doing much good by experimental department cannot, of advertising the college, and by bringing course, be expected to give a cash re- the farmers to the college for a day's sight-seeing it becomes more favorably known throughout the country.

FEEDING AND HANDLING HOGS.

A few weeks ago we summarized an interview with Mr. J. W. Flavelle, manager of the Wm. Davies Packing Company, in which he stated that there were too many corn and clover-fed hogs coming to market, and that the export bacon trade was likely to be seriously injured by the soft and inferior quality of meat which this line of feeding produced. The following letter to *The Globe* of July 22nd bears directly upon this question and contains information of special value to every far-

To the Editor of The Globe,—We have had endless trouble this spring with soft fed and bruised hogs. The former is accounted for by

endless trouble this spring with soft red and bruised hogs. The former is accounted for by the feeding of corn and grass, the latter on account of rough handling and poking the hogs with slicks, whips, etc.

Now these complaints are more serious than farmers think, and will revert back to their detriment in the long run, and we wish to ap-peal to their better judgment and have them see the matter in the right light.

see the matter in the right light.

It is quality that is wanted, and Canada's reputation sustained on the bacon markets of the world. This cannot be done otherwise the world. This cannot be done otherwise than by the most approved methods. We can assure the farmers that it is to their benefit in every way, as the better quality they turn out the better price they will get. This quality can only be obtained by much care in every detail as to feeding, breeding, and

every detail as to teeums,
nandling.

Now, in the first place, as to feeding. We
would advise farmers to use peas, etc., but
to avoid corn and grass; secondly, as to
breeding. The Yorkshire and Tamworth
abnowledged the exact thing by to avoid corn and grass; secondry, as to breeding. The Yorkshire and Tamworth, breeds are acknowledged the exact thing by all experts, as they do not carry too much fat and are long and lean, even at 200 pounds' weight. In the third place, we mention the matter of handling. The hogs, when coming to market, should not be poked, whipped, or abused in any way. They should be handled with every care. We consider a broom the best thing to drive hogs with. Bear in mind that every time you hit a hog you bruise him, and, upon being killed, it shows up, so that the hog's value is reduced, at least, one cent per pound, no matter how slight the bruise is. This is a fact, and can be easily avoided, and not cost the farmer a cent, but, indirectly, bring him more money for his year's output, because packers now figure on buying hogs with a proportion of bruises, and, if there were no bruises, hogs generally would bring more

with a proportion of bruises, and, it there were no bruises, hogs generally would bring more money, whereas to-day a lower price must be paid to cover the loss on these bruised hogs. "The least punch bruises a hog, and it is not necessary."

We would also advocate spaying young sows, as it is another vital step towards gainteen a high tenadard of quality and shouldnot

ing a high standard of quality and should not be forgotten.

Farmers and drovers should see that railway companies have suitable yards at each station, so hogs will not fight or get bruised, and we believe that instead of the large yards and we believe that instead of the large yards now in use that a great improvement would be made by having a number of small yards, large enough to hold each farmer's hogs sep-arately before loading into the cars, as this would avoid strange hogs getting together and

fighting.

Again, we must request farmers, for their benefit, the country's benefit and all concerned, to avoid corn and grass and follow out these ideas, and in a year or two they will see

these ideas, and in a year or two they will see enormously good results.

We might here say that Ireland gets ten shillings per 112 pounds, or about two-and a-half cents per pound more for bacon than Canada. Why? Simply because-they follow out the principles we mention above. Canada can get there if she tries, and each farmer individually should make a strong effort. If hogs were right in this country they would be worth one cent per pound more, as they are in Ireland.

Take the Irish principle and watch results.