over the yield in England, instead of being exactly the same as in Wales, where cultivation, on the whole, is very backward.

In Scotland, in 1855, only 1,104,000 bushels of wheat was grown, on about 34,000 acres, in 1894, 45,000 acres produced 1,665,000 bushels.

England's wheat crop in 1891 was 56,088,000 bushels; in 1895, only 35,

FEATHER-EATING FOWLS. - This is due to a minute parasitic mite at the roots of the feathers, and not, as ab surdly supposed by many people, to a vicious habit. The untes can be easily found among the white powdery matter at the base of the quill, the fowls pluck cut the feathers to destroy the Irritation caused by the mites.

CURE.-One part creosote to 30 of rubbed into the affected

U. S. CROP OF POTATOES, in 1894, averaged 62.3 bushels-1.65 tons of 2240 lbs.; in 1895, 100.6 bushels-256 tons. We constantly hear of the very small quantity of potato-sets planted to the acre in the States, 6 and 8 bushels being commonly mentioned. The ordinary seeding in England is 22 to 24 busheis, or, in weight 12 cwt.-1344 lbs. One or the other quantity r ast be wrong.

Again, supposing potatoes are planted at ? feet x 1 foot, it will take, in round numbers, 20.000 sets to plant an acre; so, if each set turns out only a pound of ripe tubers, the yield should be ten to the crushed maize. tons to the acre!

HARVEST IN MANITOBA IN 1895. - According to the final official reports of the results of the harvest in Manitoba, the actual outturn of grain from been due to the feeding of such young the machine shows a general increase pigs with too much maize. The effect in the yield per acre of wheat over the of increasing the daily rations of whole large estimates given in the August report. The following tables give a summary of the yields of the principal food simultaneously with the advent crops of the Province :-

Production. Acreage. Crops. 1895 1894 1895 1894 Bushels. Bushels. Acres. Acres. 1,140,276 1,010,186 31,775,038 17,172,883 22,555,733 5,645,036 4,042,562 11,907,854 2,981,716 2,035,336 482,658 413,686 119 528 13,300 Potatoes

of the previous year by over 80 per were in ill-health has been rejected in cent., is said to have enabled farmers instituting comparisons of the different to sell sufficient grain to pay off press-feeding stuffs. ing liabilities, while still holding the heavy work entailed, the amount of Pointoes in to he result, in a prepared for next year's wheat fourth pair suddenly refused its food, and thus invalidated the experiment. It is a great pay the surger and thus invalidated the experiment. It is a great pay the surger and thus invalidated the experiment.

The wheat crop, which exceeds that | The period during which the animals

The general result of the experiments greater part of the crop. The oat crop led to the conclusion that giving barley is stated to have been fully matured and it whole rough grains is harmful, not very heavy. In past years, it is ob-only dietetically, but also from the TER.—The "Bulletin des Halles", a served, farmers have invariably sold point of view of complete assimilation short of wheat and even of coarse of the fool, and that it is not advisable, grains, not having enough on hand dur- with young pigs, up to about four ing the following summer to feed hogs months old, to give them a concen-which we condensed for the benefit of sixty-years ago, but since so much atand poultry properly. The surplus of trated feed of maize, but that later, ·wheat and coarse grains this year will if it is merely a question of aiming solematerially change conditions in the ly at the more rapid fattening of coming season, when the proceeds of the animals at the same outlay, the the paper continues as follows: the grain fields will be marketed as maize should have the preference over feed products in the form of cattle, hogs, the burley. The quality of the meat salt is generally used, but in some roultry, and dairy produce. Owing to has not been taken into consideration. places a mixture, consisting of the protracted harvest, caused by the The comparison of the whey with the heavy work entailed, the amount of lotatoes led to no result, as one of the

PIG FEEDING.

PIG FEEDING. - The "Deutsche Landwirtschaftliche Presse" has published an account of various experiments in feeding swine carried out at the Dairy Institute of Proskau during the summer of 1894. Four pairs of iected. The objects of the experiments were to determine whether feeding with whole grain barly was deleterious, when given in large quantities; to skimmed, 20 were under average in ley and maize, both given in conjunction cream. with skim-milk; and to determine more exactly the nourishing value of whey. During the earlier portion of these trials (April 21-June 24) the first pair were given whole barley, the second crushed barley, the third crushed maize, and the fourth crushed maize with whey. Numbers 1, 2, and 3 were also given equal quantities of potatoes; and of potatoes given to the third pair, equal same quantity of skim-milk was throughout given to all four pairs.

Until the 24th June (nine weeks) the process ran perfectly smoothly with all thus: the pigs. After this date, several variations in the quantity and kind of food given were at different times introduced, the weights of the animals being throughout carrefully noted. By about the beginning of August, it had been established that the crushed barley had produced better results than whole grain; also that up to this point the crushed barley had proved superior

The experiments were interfered with so far as concerned the pigs receiving the maize, by these refusing their food at the same time as they were attacked with heit). This may very possibly have grain barley on the first pair was also deleterious, for they also refused their of a severe attack of "bone-stiffness.

REPORT OF THE OFFICIAL ANALYST.

MILK.

Professor Macfarlane, has kindly sent us a copy of his report on the milk- Such, for instance, is the case with following facts:

Out of 260 samples collected, 187 were

retrogaded.

How comes it that Sorel, the soll of which is poor enough in all conscience, best product of Normandy. should yield about the richest of all the weight of whey given to the fourth the samples? It cannot be from the something easy to use, and that would pair was about three times the weight breed of the cows, for except some give no special taste to the butter, or, slight cross of the Guernsey from our amounts of maize being given. The bull "Refus," by "Presto" of "Proel," out of "Rougette" of "St. Andrews," the stock at Sorel is a mongrel lot. gienic point of view. Viewed practi-However, the official analysis stands cally, it was necessary to avoid the use

less sharp taste than salt alone.

Again, it has been essayed to create in the vessel containing the butter an artificial atmosphere, perfectly free from oxygen, and for this purpose the air is replaced by carbonic acid.

supply of the principal towns of the butter encosed in soldered tin-boxes, pigs, of about seven weeks old, were se-Dominion, from which we gather the with 3 grammes of tartaric acid and 1 gramme of bi carbonate of soda to the pound. The box being soldered down, genuine, 11 were watered, 7 were partly the carbonic acid is produced slowly, finds no means of escape, and impregcompare the feeding properties of bartotal solids, 19 were under average in mates the butter uniformely. As for the use of salleylic, boric acid, and A general improvement has taken other antiseptics, their use should enplace in quality, particularly in Hali-tirely be forbidden; for they are defax, N. S., Quebec, London, and Saint-cidedly unwholesome, and, if their use Thomas, while Montreal and Toronto is persisted in, the consumer must incremain stationary; and Ottawa has vitably suffer. Besides, they impart a flavour of their own to the butter, which has spoiled a great deal of the

> Something, then, had to be discovered; which is better, capable of taking away any bad taste already existing in it. This was the problem from the hyof great, heavy jars or cans; and the

	ì		Sorel, P. Q.			0 00			
Nov.	5	15843	Pierre Salvealla, St-Anns {				14. 31 14. 48		
do	5	15844	Nap. Salvealla, St-Anns	87.34 87.16	3. 96	8. 94	12.84	1.0343	do
do	5	15845	N. Cartier, Queen St	86.50 83.14			13. 50 13. 56		
do	5	15846	P. Guèvremont St-Anns }	86. 54 86. 39					do
do	5	15847	S. Guèvremont {		1.50	8.68	:3.18	1.0333	do
do	5	15848	N. Pelletier, St-Pierre				13.03 13.19		
	ı		•		ı	•	 	ļ	

And a very creditable showing it is covers too must not need soldering, nuine; Montreal, 16 out of 22.

BUTTER, CHEESE, &c., IN LONthe highest prices:

Butterper 1	77 102
	c. d.
Cork, 1st	. 1210
French baskets	.122-0
Danish, &c	.116-6
Fresh roles (foreign) per doz.	lbs15-6

CHEESE

	s. u.
Cheddar	68 0
Cheshire	81 6
Glos'ter	56 G
Wiltshire	60 5

Ha! The Cheshire pastures are not easily beaten even now.

PRESERVATION OF FRESH BUT-Paris organ of the market of that city, has an article, in a recent number, on a novel way of preserving butter, tion was common enough in England our readers.

After expatiating on the difficulty of

- 2 parts of salt
- 1 part of saltpetre

"bone-stiffness (Knochensteif-Toronto, on the other hand, out of 16 lest the expense of the vessel should samples, has only half returned as ge- cat up the profits. Mr. Villar, the inventor of the new process, proposes to employ a recently discovered material called "crysoleine" colourless and solu-BUTTER, CHEESE, &c., IN LON the chipseless and some blooks. The price of dairy produce in the London market, according to the "grocer," the organ of the trade, stood thus in January, 1896; we only the highest prices: packed in large but light cans, which are filled with the same solution. This done, each can is closed by a cover fastened by a press-screw, and an "amijoint insures its hermetical anthus" tightness.

When the butter is to be handed over to the customer, it is taken out of the can and worked over with water. The crysoleine is thus disengaged from the butter and leaves no trace of its flayour or odour. The butter thus treated can be kept for months without injury. The cost of the agent employed is a mere trifle.

We hear that the Dairy-school at St. Hyacinthe will probably institute experiments to test the value of this invention

SPAYING HEIFERS.-This operatention has been devoted to breeding good stock, it has been in great meapreserving fresh-butter from rancidity, sure given up. The operation consists of cutting into the flank of the cow and In England 4 p. c. of finely pulverised destroying the ovaries by the introduction of the hand. The meat of a spayed helfer was always esteemed of very superior quality, and, of course, the fattening of such was very rapid. It is a great pity the sow-pigs not want-