What the Dairy Cow Has Been Doing

the course of a very few years farm would be almost impossible to raise crops sufficiently large to pay for the expense of raising them, and this is true of all states in the central west.

Profiting by the experience of the farmers of the eastern part of the United States, the western farmer has learned that although his farms are now rich and fertile and capable of producing extremely large crops, still there is a possibility of removing all of the available fertility. The great problem confronting all farmers of today is how to feed the large and rapidly growing population. It is necessary not only to continue producing as large an amount of food upon the farms of the west, but in the future much more must be raised per acre of ground farmed than has ever been raised before if people are to have as much to eat and wear as they have had in the past. This is due to the fact that the population of the United States is rapidly growing and new farms of great yielding value are becoming very scarce. This point is exemplified by the fact that last year targer crops were raised than ever before, and with the exception of a very few years in history, prices rule higher than ever before.

### Intensified Farming.

All this points to one general fact, namely, that the farms of the west must be worked more intensely, and perhaps instead of one or two crops being raised, more attention must be given to diversified farming. It is very necessary that the great fertility now present in the soil must be retained at least, and if there is a possible way of increasing the fertility of our farms, attention must be given to this point. Rotation of crops is useful in holding fertility, but it is extremely doubtful whether this method alone will suffice to keep the farms in a profit-producing condition; for the fact is very evident that whenever a bushel of corn, wheat, oats or potatoes or a ton of hay is taken away from the farm, all the fertility which is contained in them goes along and is thus transferred from the farm on which the crop was raised to some other

low England states were fertile and New England states, for, as a matter | amount of roughage.

In lows there are produced annually | capable of raising larger crops from almost 3,000,000 bushels of corn. The year to year, while the other farm belowa farmer realizes that if each came poorer, and in the course of time year this entire crop, together with was useful for very little except to the other farm crops that are raised, raise weeds. For this reason the westwere to be shipped out of the state ern farmer is an extensive feeder of entirely in their natural form there live stock, concentrating the product would be removed such a large which he sends to market and retains amount of fertility annually that in upon his farm a greater portion of the fertilizing ingredients. All classes lands would be so depleted that it of farm animals are useful for this purpose, but the dairy cow is, without doubt, the greatest retainer and builder of soil fertility. This is proven by the fact that a ton of butter, which is now valued at more than \$600, removes from the farm less than 50

cents worth of fertilizing ingredients. It is true that by the proper system of rotating crops, together with the feeding of grains and grasses raised on the farm to the dairy cow, seiling her product in the form of butter and returning the by-products to the land, the Iowa farm can be made to produce

standing by her side has produced 500 pounds of butter, making for him a profit of from \$75 to \$90 even after considering the value of the skim milk and the manure from the standpoint of its fertilizing value. With this fact in mind and more interested in the business, he is not satisfied at disposing of the poor cows alone, so be begins at once to build up his herd Then it is that he seeks knowledge relative to the proper points to be observed in the selection, breeding feeding and the caring for cows, and then it is that it becomes possible for the experts bired by the Iown State Dairymen's association to be of as sistance to him. The spirit of im provement has reached farther that the legislature and the Dairymen's as sociation, so that at the present tim much good is being done by publispirited men along this same line of

## Iowa Cow Culture Club.

Probably no one has excited so much interest in dairying during the past year as has Mr. W. W. Marsh of Waterloo, Iowa. During this time he has made two or three trips to the island of Guernsey and imported from there, regardless of cost, nearly 100 head of the very finest Guernsey the organizer of the lowa Cow Culturclub and put up \$1,000 in cash to be divided as prizes among the 12 cows producing the most butter in Iowa After he had started the game many others followed. The Iowa State Agricultural college at Ames agreed to make official the records of these more largely from year to year, and | cows by sending a tester to the home

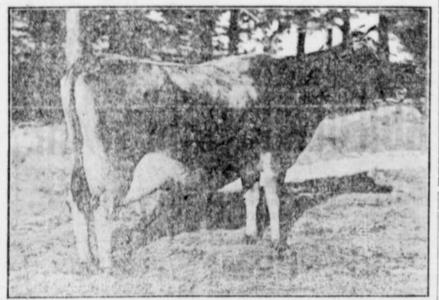


A Cow and Her Three Daughters That Will Each Yield 500 Pounds of Butter in a Year.

each generation that tills the soil will of each cow once a month. By so leave the farm to the next generation | doing, when the year's test has been even better condition than they

themselves inherited it.

Dairy Cow Most Economical Producer. This is not the only distinct advantage the dairy cow has, for she is furthermore recognized as the most economical producer of food nutrients. Extensive experiments carried on by Messrs. Law and Gilberts show that the cow giving daily ten quarts of milk produces six times as much min- the Cattle club to duplicate Mr. eral matter, six times as much nitro- Marsh's prizes for Jersey cattle that genous material, and an amount of fat might enter the contest and win. There was a time when farms in the equal to the steer that gains in live W. B. Barney of Hampton, Iowa, presweight 15 pounds of beef per week. A ident of the Iowa Dr productive and their owners boasted good dairy cow, too, will accomplish of the fact that the soil was rich and this end by the consumption of cheapdeep and could never be exhausted. er foods than will the steer, for the From year to year large crops were food of the dairy cow is made up raised, a large portion of which was largely of roughage, which is a cheapsent across the water to Europe, and er kind of food, with a small amount gradually the farms of Europe became | of concentrates, while the ration of better and more productive, but this the steer is made up largely of conwas at the expense of the farms in the centrates, with a comparatively small



"Matilda's Lily," Jersey-Produced 565 Pounds of Butter in One Year,

of fact, the great fertility which was The annual production of dairy prodacross the water to Europe, and although the process was slow it was extensive, and the fertility was transferred from the eastern part of the United States to the farms of Europe.

"Many Farmers Rob the Soil." The western farmer is acquainted with this fact and realizes that to continually grow corn and hay and other of this organization will dispose of the farm crops and ship them away from unprofitable cows. They will keep the his farm in the raw state means to transfer the fertility from his farm to although they do not produce so large that owned by some other man; the an amount of milk and butter fat, the observing have seen this fact demonstrated

In many cases where on one side of the road lived a grain farmer and his and not until then, does the farmer neighbor across the road fed live become really interested in the busistock, gradually-and in some in- ness of milking cows. Then it is that stances quite rapidly-it could be seen he sees the manner in which real that the stock farmer who was buying profit can be made from his herd. His grain from his neighboring grain farm- eyes have been opened to some really er was carrying across the road the very best portion of his neighbor's where one cow was producing 100 business of profit with less of the farm. As years went by one farm in pounds of butter in a year and barely heavy work and care than in most this case became better by far and paid for her keeping, another cow any other line of farming.

once to be found on these eastern ucts in the United States returns an farms had been gradually worked out income of \$800,000,000, which is equal of the ground, incorporated in the to one-ninth of the entire value of all crops that were raised and shipped farm products. Of this amount lowa of one cent per pound, this money to be spent for the employing of an expert to do everything in his power for the assistance of the patrons and for the upbuilding of dairying in that community. Now, experience tells us exactly

what will be the result. The farmers good cows and during the next year, labor on the farm with the cows will be less, feed will be saved and the net profits will be far greater. Then, wonderful facts. He has found that

completed each cow will have an official record of the exact amount of milk and butter that she has produced during the year and there will be no guesswork about it.

Hon. J. J. Richardson of Davenport

Iowa, than whom there is no more influential man connected with the American Jersey Cattle club of New York city, at once set about to induce tion and likewise influential with the Holstein-Friesian association of America, induced his association to duplicate the prizes to the extent of \$500 for Holstein cows that might be winners of a portion of Mr. Marsh's seemed anxious to put up prizes for the good of this cause and seven or eight pure bred dairy bull calves were offered as prizes to competitors owning common grade cows. Dairy separators, milking machines and prizes of all kinds were offered, until finally the prize list amounted to between four and five thousand dollars, and then it was that the farmers of lowa began entering their cows until at the time when the date for entry closed there were found to be competing in the one large association 160 cows and surprising are the facts that have been revealed from month to month. A large number of the cows have been producing from 40 to 100 pounds of butter per month and, on the other hand, a large number of them have been producing from 10 to 15 pounds of butter a month; or, in other words, some of the cows in the test are the equal in milk and butter production and, in the end, in the production of profits to their owners, of eight or ten of the cows on the other end. This yearly contest will be finished by the first of August, 1910, and the yearly production of 160 cows can then be figured up. At that time it is planned to duplicate the test and already much prize money has been offered for the cows that will enter for another such race.

Now, the value of such a contest is not in the prize which the owner of a cow may win, because this really is a small portion of the real good, but it is surprising as well as very gratifying to find how intense the interest of the owner of the cow becomes when she begins her race in a public contest. He at once wishes to learn the very best ways of feeding and caring for her and there is an impulse which leads him on to increasing his education along lines that will better the conditions in the dairy for all time to come. This growth of interest brings questions from farmers, dairymen and breeders all over the state regarding the building up and caring for the dairy herd. Many are anticipating going into the dairy business and others who have been in the dairy business are anticipating making their business one of less drudgery, shorter hours of confinement and a

When She "Primps."

She walks in beauty like the night, As some romantic singer said; her eyes give forth a starry light, her lips are of a cherry red; across the floor she seems to float; she seems to me beyond compare a being perfect-till note the way she has done up her hair. She must have toiled through half a day to build that large, unwieldy mass; she must have used a bale of hay, and strips of tin, and wire of brass; her sisters must have helped to braid, her mother wrought and tinkered there, and butler, cook and chambermaid all helped to wrestle with her hair. And after all the grinding toil, and all the braiding and the fuss, the one effect is just to spoil her beauty and make other people cuss. She walks in beauty like the night where nights are most serenely fair; but, Julius Caesar! she's a sight, when she's got on her Sunday hair!

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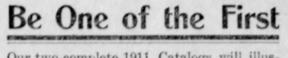
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Cannelon of Beef. Chop the remains of yesterday's beef, mix with 1/4 of a pound of minced ham, season with pepper, salt, grated lemon peel and a little onion; moisten with yesterday's gravy with a little flour stirred in and bind with a beaten egg or two; make some pie paste or such as you would use for dumplings, roll into an oblong sheet. put the beef mince in the middle and make the pastry into a long roll, in closing the meat; close at ends with round caps of pastry, the edges pinched well together; lay in a dripping

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pan, the joined side of the roll down-

ward and bake to a good brown.

English multimillionaire, who makes soap and naphtha and other things, Lincoln Steffens, writing in the Amerlcan Magazine, relates the following anecdote concerning him: "Once, when Fels had been stating his proposition at length a listener, who was impressed by the genial humor, the profound kindness and the serene wisdom of this little Jew, turned to him quietly and said. 'Fels, the Jews call themselves the chosen people; the world has acknowledged the title.

In a sketch about Joseph Fels, the

and I, for example, am willing now, in your presence, to admit that they are indeed the chosen. But what are they chosen for? "The Jews,' said Fels, with a careless wave of his arm. 'The Jews were chosen to introduce Christianity."

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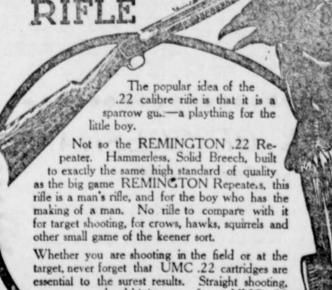


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