

\$7,200 upon it.

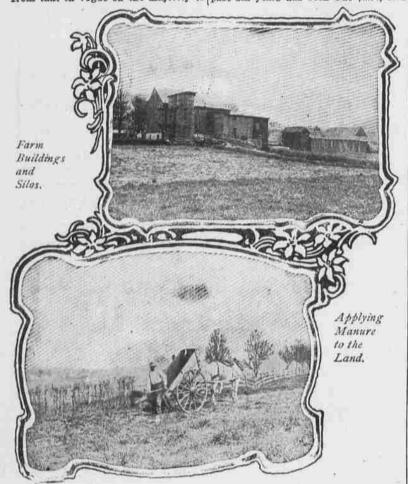
Improving the Soil. The soil of the farm is a reddish So run down somewhat gravelly clay. was it in 1881 that it did not support the two cows and one horse kept upon Last year it raised all the roughage for thirty head of stock, seventeen of which are oows in milk. It has able state of fertility solely by the use of stable manure applied directly from the barn. The system of handling this and her cows are healthy. manure is such that none is lost, either liquid or solid. No commercial fertilizers have ever been used and no mafrom that in vogue on the majority of past six years has been but \$1.50, and

There is a farm in southeastern tematic is the work that the owner Pennsylvania which the Department may leave for a week without notice this Pennsylvania farm aside from the of Agriculture considers a model twen- to the laborers, with no interruption tieth century farm. It consists of fif-teen acres, thirteen of which are in cultivation, the remaining two acres being occupied by buildings, yard, etc. the manure, are all worked out under sible to save all the manure both This land came into the possession of such a system that they require little liquid and solid and apply it to the the present owner-a minister of the supervision on the part of the propried land. Being applied daily as pro-Gospel-in 1881 with a mortgage of tor. There is no pasture on this farm

are out of the question. There is not where it is needed. The remarkable even a barn lot, the thirty head of yields of every portion of this farm cattle remaining in the stalls the year seem to indicate that this method of cattle remaining in the stalls the year round. We have been taught that this handling manure is highly satisfacis not a good practice, for it has been supposed that milch cows need a cer tain amount of exercise, yet it must be considered that the Danish cows stand in their stalls from November been brought up to its present remark-to May and are staked out in the field from May to November, and yet Denmark ranks high in the dairy industry

Balanced Rations a Necessity.

Notwithstanding this extraordinary nure has been hauled from the city. practice the bill for veterinary services This is a practice greatly differing on this Pennsylvania farm during the



the farms of this country, where the this was made necessary by an acciowner seeing a dollar in sight for a dental injury to one of the cows. One load of manure readily sells it to a regular breeder is fifteen years old, but by all odds the most popular of the neighbor rather than apply it to his is still vigorous and healthy, giving Departments of Publications. They own soil, where its value might be milk enough to make it profitable to are brief, written in simple style and three or four times as great. On the retain her in the herd. Experts in the model farm in Pennsylvania most of Department of Agriculture state that the agriculturist. Many of them have the stock and thus they have never agree the letter better. model farm in Pennsylvania most of Department of Agriculture state that the agriculturist. Many of them have the crops are fed to the stock and thus they have never seen a thriftier, better been condensed and rewritten from for my mother, in rather a quiet style;

crops, thus giving the manure a proper gine to run the cutter are employed in consistency. Thenceforward the man-filling the silos.

agement of the constantly growini. The proprietor of this farm has not herd of cows was a simple matter and adopted any systematic rotation of the farm began not only to pay a profit crops, as every foot of land receives an but to increase in fertility, so that abundance of manure every year or within seven years the entire mort-two. There is but little trace of weeds gage was paid off.

pure bred but well bred. Male calves, if worthy of it, are reared for breeding purposes, but none is ever yealed. If a male calf is not fit to raise for a breeder it is killed at birth. "It doesn't pay to feed \$18 worth of mean broad and the will sell for \$7," said the owner. The young cattle sold from this model farm every particle of the printed matter constitutes a large tient, who, imagining himself ill,

year for each of the seventeen cows kept is not enormous, by any means, it is good. The income from the milk

This is the

largely return to the land in manure. kept lot of cows. Balanced rations are the longer and more technical bulle-Upon assuming management of the fed to them every day in the year, confarm the owner with no previous exsisting of some succulent material— haustive experiments. More than 6,perience in farming began to read silage in winter, and rye, timothy and what agricultural literature was avail- clover, corn or peas and oats in sumable. One of the first books secured by mer. A second portion is made up of him was Quincy's little treatise on the solling of cattle, written in 1859. Soll-consistency to the manure. The third ing consists in cutting and giving portion consists of meal products, of green feed in summer instead of allow-which three kinds are used—bran, oiling the animals to run on pasture, meal and gluten. Many dairymen This system adopted by the farm would be surprised to learn that every owner did not prove satisfactory the cow on this farm has four ounces of first year because no other feed was salt daily, mixed with her fodder, fire used and the cows did not do well. In table salt being invariably used and addition the manure was difficult to evenly divided among the three feeds. handle and it was not easy to keep the barn clean. Before the next season, however, the new farmer had procured four feet high. These altogether hold Stewart's book on feeding animals and about 100 tons of silage and this quantrom it learned his first lesson in tity of corn silage is produced on four "balanced rations." He also learned to feed some dry hay with the soiling men, three teams and a traction en-

and those that do grow are not of the The farm is strictly a dairy farm, undesirable kind. Intelligent methods the only products regularly sold being of cultivation enabled the owner last milk and a few head of young cattle each year. The cows are all registered age required for thirty head of stock

Handling the Manure.

to a calf that will sell for \$7," said the owner. The young cattle sold from this farm bring on an average \$100 plant food is utilized. The method of angless and about the said of the manure produced on their farms. On this farm bring on an average \$100 plant food is utilized. The method of bandling and about the said of the walle of the manure produced on their farms. this farm bring on an average \$100 | handling manure in this case can be aplece, and about five are disposed of used only on farms on which stock is kept in stalls and is therefore not ap-The milk is all sold at 25 cents a gal-plicable to all styles of stock-farming. lon the year round to a State institu-tion located two miles distant. The eighteen inches wide and seven inches milk tests high, is perfectly clean and deep. These gutters have no outlets. milk tests high, is perfectly clean and free from adulteration. There is never any complaint from the buyers; on the other hand, this farmer is considered a public benefactor. As soon as the milk is drawn it is placed in perfectly clean cans standing in cold water some distance from the barn and stirred frequently to aerate it and aid the cooling. The milk vessels are never allowed to stand around uncleaned, but are washed as soon as the milk is removed, first with cold water, then with boiling and finally again with cold water. The amount of milk produced from the seventeen cows is nearly the same at all seasons and averages about the seventeen cows is nearly the same at all seasons and averages about the seventeen cows is nearly the same at all seasons and averages about the seventeen cows is nearly the same at all seasons and averages about the seventeen cows is nearly the same at all seasons and averages about the seventeen cows is nearly the same at all seasons and averages about the seventeen cows is nearly the same at all seasons and averages about the seventeen cows is nearly the same at all seasons and averages about the seventeen cows is nearly the same at all seasons and averages about the seventeen cows is nearly the same at all seasons and averages about the seventeen cows is nearly the same at all seasons and averages about the seventeen cows is nearly the same at all seasons and averages about the seventeen cows is nearly the same at all seasons and averages about the seventeen cows is nearly the same at all seasons and averages about the seventeen cows is nearly the same at all seasons and averages about the seventeen cows is nearly the same at all seasons and averages about the seasons are the consistency of the seasons are the consistency of the same of creditions are therefore there and the content and the interior is distincted twice as week by a free use of creditally (the whole barn is distincted twice as week by a free use of credition at the interior is distincted twice as week by a free same at all seasons and averages about twenty-six gallons a day. While this yield of approximately 4,800 pounds a yield of approximately 4,800 pounds a

This is the experience of a ploneer This is the experience of a ploneer farmer starting in with no previous training, but going to work in a methodical manner to learn what he could from the experience of others. He has applied principles and business methods and has blazed a path into a the farm except in hay harvest and during the cutting of silage. So system of doubt that his experience can be

duplicated on other farms, but it depends on the soil and the man who has similar system may be developed on a splendid mine of agricultural information exists in these farm bulletins, any dairy farm that disposes of pastures. Where land is cheaper and the dairyman can afford pastures the dairyman can afford pastures, the system would be radically different in summer but not in winter. Probably the most important single feature of systematic manner in which it is contor. There is no pasture on this farm duced, any leaching by rains, carries for pastures on such high-priced land the leached materials into the soil

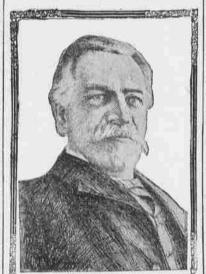
A BIG EDITORIAL OFFICE.

The Department of Agriculture Publishes Over Four Booklets for Every Day in the Year.

One of the biggest editorial offices n the Government and probably in the country is in the Department of Agriculture where the Division of Publications edits, revises, and in in some cases returns to the authors for rewriting an average of four bulletins or books for every day in the year. During the last fiscal year 1,-163 new publications passed through tural experts in the country and the editor's hands, nearly 400 of these, however, being issued by the Weather Bureau, which is under the made. Department of Agriculture. The tonumber of copies of the remain ing 1,000 odd publications printed during the year was 12,000,475. Many these are generously illustrated, and beside the great number of original photographs used, the artists of the Department make something over

the Agricultural Reports and other pamphlets and bulletins issued were more or less technical, having the reputation generally throughout the coun-Divisions the desirability of short, crisp articles and bulletins, especially in the annual Year Books, written in a practical and simple style, with the result that the Publications of the Department have come into very general favor with the farmers and are eagerly sought after, which is evident by the enormous number of requests for them."

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GEORGE WILLIAM HILL, Chief of the Publication Division, Department

work of the Department, "I cannot ter of the disease or where they have believe that the farmers of the country to developed sufficiently for him to



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KING ALFONSO'S SHOPPING.

A Paris Millinery Shop Startled by Visit From the Spanish King.

An amusing anecdote is related in The head of this Division, or the "Editor" of the Department as he is known, is Mr. George William Hill, an old-time editor of an agricultural paper, but he has held his present position for many administrations.

"There have been very many red." connection with King Alfonso's recent "There have been very many radical changes," said Mr. Hill, "in the publications of the Department withpublications of the Department with-in the last ten years. At one time, the Agricultural Reports and other youthful of the party asked to see some hats they were politely requested, as the most natural thing in the world, to wait a moment, as the king was in the and uninteresting a manner as possible. The present Secretary has continually impressed there has continually impressed the first secretary has continued to the first se thready impressed upon his Chiefs of little party had the effect of promptly putting the quick-witted shop girls on the scent. After announcing the great news excitedly to the proprietor of the establishment they clustered in a ring round King Alfonso and his compan-

This was a thousand times better than a peep into the street, and then, what an honor! Only to think of the Spanish sovereign walking in such simple fas'tion into their shop. And what followed delighted them even The mistress of the place had more. advanced, and, courtesying low, had uttered one of those pretty compliments which our French friends have so ins, setting forth the results of ex- one for my sister, and one for my aunt and please put them all up together in the same box." The masterpieces of the shop were presented and inspected. The selection of the three hats took some time, as the young king is not acstomed to that sort of work. and in his dilemma he exclaimed: was never so puzzled in my life! Finally the choice was made, and with the request that the hats should be sent at once to the hotel, King Alfonso took his departure, leaving the mistress of the establishment and her young women charmed with their experience.

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printed matter constitutes a large tient, who, imagining himself ill, and important part of the Publication calls in his family physician, and the



THE 3-YEAR-OLD DAUGHTER OF A 15-YEAR-OLD JERSEY.

not developed sufficiently for him to determine the true nature of the case. may be but an apparent lack of knowl- ested in making the soil yield the greatest possible edge, since at some stages it is im- returns. Until edition is exhausted copies will be but a frank admission of this kind Nitrate Propaganda, Anderson Beliding, New York

In this event he does not wish to display his ignorance or what in reality possible to accurately diagnose a case; would destroy the patient's confidence in his physician. And so at this juncture the "bread pill" steps in, is given to the sick person, with no apprehen-



sion of any harm resulting therefrom.

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