

of which are cows in milk. It has been brought up to its present remarkable state of fertility solely by the use of stable manure applied directly from the barn. The system of handling this manure is such that none is lost, either liquid or solid. No commercial fertilizers have ever been used and no manure has been hauled from the city. This is a practice greatly differing from that in vogue on the majority of past six years has been but \$1.50, and

Farm Buildings and Silos. Applying Manure to the

three or four times as great. On the model farm in Pennsylvania most of the crops are fed to the stock and thus largely return to the land in manure.

Upon assuming management of the farm the owner with no previous experience in farming began to read what agricultural literature was available. One of the first books secured by him was Quincy's little treatise on the soiling of cattle, written in 1859. Soiling consists in cutting and giving green feed in summer instead of allowing the animals to run on pasture. This system adopted by the farm owner did-not prove satisfactory the first year because no other feed was used and the cows did not do well. In addition the manure was difficult to handle and it was not easy to keep the barn clean. Before the next season, however, the new farmer had procured Stewart's book on feeding animals and from it learned his first lesson in "balanced rations." He also learned to feed some dry hay with the soiling crops, thus giving the manure a proper consistency. Thenceforward the management of the constantity growing her only products regularly sold being milk and a few head of young cattle sach year. The cows are all registered Jerseys except one or two picked up at neighboring sales. They are not only pure bred but well bred. Male calves, if worthy of it, are reared for breeding tree in the rithle herd. Experts in the chey have never seen a thriftier, better level to feed to them every day in the year, consisting of some succulent matorial—level to fed to them every day in the year, consisting of some succulent matorial—level to fed to them every day in the year, consisting of some succulent matorial—level to fed to them every day in the year, consisting of some succulent matorial—level to fed to them every day in the year, consisting of some succulent matorial—level to fed to them every day in the year, consisting of some succulent matorial—level to fed to them every day in the year, consisting of some succulent matorial—level to fed to them every day in the year, consisting o

within seven years the entire mortgage was paid off.

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purposes, but nose is ever vealed. It
a male calf is not fit to raise for a
breeder it is killed at birth. "It
doesn't pay to feed \$11\$ worth of meal
to a calf that will sell for \$1.7° sald the
owner. The young cattle sold from
this farm bring on an av-rage \$100
apiece, and about five are lisposed of
each year.

The milk is all sold at 25 cents a gal
len the year round to a State institution located two miles distant. The
milk tests high, is perfectly clean and
fire 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 serate it and aid the
coshing. The milk vessels are never
allowed to atand around uncleaned, but
are wrathed as soon as the milk is removed, first with cold water, then with
beiling and finally again with cold
ware. The amount of milk produced
from the seventeen cows is nearly the
amount of milk produced
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syled of appreximately 4,800 pounds is
par for each of the reventeen cows
hay the necessary of the reventee of the reventee of the

There is a farm in southeastern reassayivania farm and the Department of Agriculture considers a model twentieth century farm. It consists of afficient of his continuation, the remaining two acressions of the present owner—a minister of the manure, are all worked out under the prospect of the present owner—a minister of the supervision on the part of the prospect of 17,200 upon it.

The soil of the farm is a reddish mewhat gravelly clay. So run down it is 1881 that it did not support two cows and one horse kept upon Last year it raised all the roughfor thirty head of stock, seventeen which are cown in milk. It has brought up to its present remarks state of fertility solely by the use ble manure and any of the prospective for thirty head of stock, seventeen which are cown in milk. It has brought up to its present remarks state of fertility solely by the use ble manure applied directly from are. The system of handling this re is such that none is lost either or solid. No complete that no less that has high in the such that none is lost either or solid. The system of handling this re is such that none is lost either considered that the one is lost either considered that the owner. The system of handling this re is such that none is lost either considered that the owner. The system of handling this re is such that none is lost either considered that the owner. The system of handling this re is such that none is lost either considered that the owner. The system of handling this re is such that none is lost either considered that the owner. The system of handling this re is such that none is lost either considered that the owner. The system of handling this re is such that none is lost either considered that the owner. The system of handling this re is such that none is lost either considered that the owner. The system of handling this reason to a such as a stake of the considered that the such as a such as a such as a stake of the considered that the such as a such as a such as a stake of the considered that the con

in the Government and probably in the country is in the Department of Agriculture where the Division of Agriculture where the Division of Publications edits, revises, and 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, 463 new publications passed through the editor's hands, nearly 400 of these, however, being issued by the Weather Bureau, which is under the Department of Agriculture. The total number of copies of the remaining 1,000 odd publications printed during the year was 12,000,475. Many of these are generously illustrated, and beside the great number of original photographs used, the artists of the Department make something over Publications edits, revises, and in some cases returns to the authors paper, but he has held his present sition for many administrations. "There have been very many radical changes," said Mr. Hill, "in the publications of the Department within the last ten years. At one time, the Agricultural Reports and other pamphlets and bulletins issued were more or less technical, having the reputation generally throughout the country, of being written in about as dry and uninteresting a manner as pos-sible. The present Secretary has con-tinually impressed upon his Chiefs of Divisions the desirability of short, crisp articles and bulletins, especially in the annual Year Books, written in a

Department have come into very general favor with the farmers and are eagerly sought after, which is evident by the enormous number of re-

practical and simple style, with the result that the Publications of the

GEORGE WILLIAM HILL,

hist of the Publication Division, Department of Agriculture.

Ins were published and distributed ast year. An active factor in the lemormous work of editing the Agricultural Publications is the assistant chief and editor of the Division, Mr. Joseph A. Arnold, whose knowledge of the practical aide of Agricultural Publications is something amazing.

The storage and distribution of this printed astiter constitutes a large temporary part of the Publication

mation exists in these farm bulletins which they can have for the asking



JOSEPH A. ARNOLD, Editor, Department of Agriculture

An amusing anecdote is related in connection with King Alfonso's recent visit to Paris. In his leisure moments he was fond of taking a turn in the Rue gant shops, and making a few pur-chases. His majesty's appearance nat-urally created a good deal of flutter, especially among the demoiselles de magasin, who rushed to doors and windows to see him go by, so when three gentlemen stepped into a certain estab-lishment one morning and the most 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 street, and the girls were all watching for him. The knowing smiles which thereupon pervaded the features of the little party had the effect of promptly cutting the quick-bitted shop girls on 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 dent by the enormous number of requests for them."

The Farmers' Bulletins, descriptive of all sorts of farm work, stock-taismole fas'ision into their shop. And all sorts of farm work, stock-taismole fas'ision into their shop. And all sorts of farm work, stock-taismole fas'ision into their shop. And all sorts of farm work, stock-taismole fas'ision into their shop. And all sorts of farm work, stock-taismole fas'ision into their shop. And all sorts of farm work, stock-taismole fas'ision into their shop. And all sorts of farm work, stock-taismole fas'ision into their shop. And all sorts of farm work, stock-taismole fas'ision into their shop. And all sorts of farm work, stock-taismole fas'ision into their shop. And all sorts of farm work, stock-taismole fas'ision into their shop. And all sorts of farm work, stock-taismole fas'ision into their shop. And all sorts of farm work, stock-taismole fas'ision into their shop. And all sorts of farm work, stock-taismole fas'ision into their shop. And all sorts of farm work, stock-taismole fas'ision into their shop. And all sorts of farm work, stock-taismole fas'ision into their shop. And all sorts of farm work, stock-taismole fas'ision into their shop. And all sorts of farm work, stock-taismole fas'ision into their shop. And all sorts of farm work, stock-taismole fas'ision into their shop. And all sorts of farm work, stock-taismole fas'ision into their shop. And the fast shop is the fast book and the stock and the part of the most popular of the The selection of the three hats took some time, as the young king is not accustomed to that sort of work, and in his dilemma he exclaimed: "Well, I 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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What is the most important remedy known to the medical profession? A guessing contest might be established upon this question which would doubtless bring to the fore a great variety of remedies, yet, as stated by a very successful practitioner, there is one medicine given to patients which physicians find more important than any other. Strange to say, this is the quite universal and ineffective "bread pill," which, after all, is not bread, but only so-called on account of its harmless nature. The bread pill is sometimes nothing more than a plain sugar pellet, at others, where a liquid prescription is given, a weak solution of sugar and water, or a mixture of powdered licorice or gentian, both harmless drugs when given in the weak proportions prescribed by the doctor.

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er of the disease or where they have FREE BOOKS In this event he does not wish to dis-play his ignorance or what in reality may be but an apparent lack of knowl-edge, since at some stages it is im-possible to accurately diagnose a cass; but a frank admission of this kind would destroy the patient's or in his physician. And so at this junc-ture the "bread pill" steps in, is given to the sick person, with no apprehen-sion of any harm resulting therefrom.





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