

In the Sick Room

"In sweeping a room with a sick person in it, always use a damp broom to avoid raising a dust," said Mrs. Alice Marks Dolman, instructor in home nursing at the Oregon Agricultural College, in a recent lecture. "Never use a feather duster to dust with, for this raises dust but does not remove it," she continued. "A good solution to use on a dust cloth, to moisten it, is as follows: dissolve 1 1/2 tablespoonfuls of carbolic

acid crystals in one quart of boiling water and add 1 ounce of glycerine. Be sure that the carbolic acid crystals are all dissolved, else there is danger of a serious burn. This solution is a mild disinfectant and will not injure wall paper or furniture."

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UNCLE SAM SAYS TO RAISE BEETS

The report of the United States Department of Agriculture on the beet sugar industry of the United States in the years 1910-1911 has just been issued by Secretary Wilson in a 73 page pamphlet, which contains articles on the work of the Bureau of Plant Industry on sugar beets, a general review of the beet-sugar industry in the United States, the sugar-beet in European agricultural economy, relation of adaptation to the improvement of sugar beet varieties for American conditions, farm practice in the Arkansas Valley, Colorado, and sugar statistics. It is illustrated by two maps, showing area where sugar beets are grown, location of sugar factories, rainfall and frost data, and six other plates relating to the industry.

The average American consumes 82 pounds of sugar each year and only 10 pounds of that ration is now produced in this country.

The farmers of the country should keep that money at home; in other words, put it in their own pockets, and the Department of Agriculture has been trying for 16 years to show them how to do this and induce them to do so.

Sugar is a product of manufacture mainly from the farmers' sugar cane and sugar beets. Incidentally, some sugar is produced from the sap of the sugar maple—the entire value of that product, both sugar and syrup, and the sorghum syrup, being only about \$15,000,000 annually, while the total value of the sugar cane industries of this country totalled 117,000,000.

The cane sugar industry fared badly last year on account of the Mississippi River flood, the entire production, including molasses and syrup, being valued at only \$34,000,000.

Beet sugar is a comparatively recent product of this country, and can scarcely be said to have existed 20 years ago.

The production during the 12th census year (1899) amounted to 81,729 short tons, while the 1912 product aggregates 700,000 short tons valued at \$73,000,000.

The growth of this industry and the plans for its increase indicate that beet raising for sugar purposes is much desired by farmers for profit and cultural benefit to the land.

There are now in operation 60 factories in 17 states which used during the past season 5,082,333 tons of beets produced on 473,877 acres, and the industry has become one of the mainstays and chief supports of agriculture under irrigation in the semi-arid states. Yet this industry produces practically only one eighth of the home consumption. The importation from entirely foreign territory now approximates 2,000,000 short tons annually. A home beet sugar production sufficient to cut off this importation would not affect the home cane sugar industry adversely, because that so nearly reached its limit that any possible growth it may have from now on will not equal the annual increase in the country's consumption, which has considerably more than doubled in the past 25 years, and now is greater per capita than any other country except England.


With the present low average of 1 1/4 short tons of beet sugar per acre it would require 1,600,000 acres to produce the 2,000,000 short tons now imported; or as the acreage harvested the last year was slightly less than 475,000, it would need the production of 20,000,000 acres under beets to equal the entire home demand, a condition to which for more than 20 years economists have looked forward.

In the 19 states adapted to growing beets there are about 2,500,000 farms, and 278,719,622 acres of improved land.

Therefore if every farmer in those states could cultivate one acre of sugar beets some of the cane sugar from non-contiguous territory would have to seek another market. Or, if one farmer in four of these states would plant a three-acre patch and give it the care that could readily be bestowed upon so small a plot, it would be unnecessary for us to buy foreign sugar. Two-thirds of 1 per cent of the improved land in the states adapted to sugar beets would accomplish this result, and more than that acreage lies idle, absolutely unused every year. The devotion of the necessary 2,000,000 acres of the production of the sugar required for our own consumption would have an utterly insignificant effect in reducing the acreage of other crops, and, in fact, the growing of the beets would actually increase the total yields of the crops, because of the effect of the beets upon the soil, for the thorough working of the soil, necessary to grow a profitable beet crop increases the yield of everything else grown on the same ground in succeeding years, and the beets need occupy the soil but one year of 10.

The Board of Engineers for Rivers and Harbors has made a very strong report in favor of further improving San Diego Harbor, and Congress will probably make an appropriation for it, in view of the fact that San Diego is the first port of call in the United States for ships west bound going through the canal, and that the Exposition, opening in 1915, will cause a large amount of traffic in that direction.

POULTRY NOTES
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SOLICITED



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THE WHITE COCHIN.

Tourists in China oft wonder at the size, number and perfection of the chickens. They may not know that the Brahma Buddhists and followers of Khowng-foo-tee and Leo-tee believe these fowls are living, moving temples wherein dwell the spirits of their ancestors, whom they worship.

Hence their care for poultry and fondness for duck. They do not eat chicken lest they swallow their ancestors. Besides, those spirits are to be waffled to bliss on the wings of the roosters in which they reside.

Of the Cochin, China's chief chicken, our standard recognizes the Buff, Partridge, Black and White. The



Photo by C. M. Barnitz.

WHITE COCHIN COCK.

White, like the others, is really a fancier's fowl. To get true Cochin shape, color and feathering is an art.

They have good utility points, but can't keep up to the fast, new breeds or active fowls like Leghorns. Their great size means slow maturity, slow movement. Their profuse feathering means great feather growth and moderate egg output.

A real White Cochin is much like a big, fluffy snowball.

This rotundity is made by the excessive, loose, downy underfluff, which, in true breeds, is three-fourths of the entire plumping; the neck, back, saddle, tail, breast, underbody, fluff, wings.



Photo by C. M. Barnitz.

WHITE COCHIN HEN.

leg feathering, all of a shape to make it a bird of beautiful curves, massive and majestic.

The white should go clear to skin and be free from straw color and ticking.

A well sanded floor helps much to keep Whites in color condition and the "boots" in order. Their eyes, face, comb, wattles and ear lobes should be red, shanks and toes rich yellow, the shanks profusely covered with feathers, middle and outer toes completely feathered to ends. The Cochin is especially the professional man's favorite, many preachers and doctors in particular breeding the big, gentle birds.

COCHIN STANDARD WEIGHTS.
Pounds. Pounds.
Cock 11 Hen 9 1/2
Cockerel 9 Pullet 7

DON'TS.

Don't be in a rush to get rich. Short cuts to wealth are mostly stealth, and wealth that comes by tricks so slick is separated from fools quick.

Don't let your work drive you. A daily program of your work and you to push and not to shirk. Early to bed and early to rise will make you healthy and wealthy and wise.

Don't let the flocks be exposed to fall storms. A wetting in molt often means tuberculosis.

Don't let the dry season pass without gathering barrels of road dust for the winter just bath.

Don't forget there is much hull about barley, oats and buckwheat. Allow for this when you feed and have water and grit handy for soaking and grinding.

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