SECTION B

HOUSEHOLD PAGE

COUNTY AGRICULTURE

EDITORIALS LETTERS FROM READERS

SECTION

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FARM ENGINEER LISTS HOMEBUILDING PLANS

SELECT PROPER SITE FOR HOUSE

Health Is First Essential In Selection of Building Ground

PURE WATER SUPPLY farm, home and highway.

Convenience And Economy of Labor Is Second A 1/2 24 Essential

(This is the second of a series of articles on farm engineering.)

(By Elmo G. Harris)

We will assume that the ability to From the House: win our bread is reasonably assured. After this the chief pursuit is happiness, and, except perhaps in the subject of marriage, nothing controls our happiness more than does the home and its surroundings.

It is not the intent to enter the subject of the architecture nor in- D. Pleasing Appearance Seen terior fittings of the home but there From Outside: is this very important first step, the selection of the site, which we will front may be attractive from highdiscuss. A mistake in this is irremediable and may be a source of mortification and regret for a lifetime. Yes for many lifetimes-for other generations must live there.

discussion we must further limit the things with which the home builder discussion to the case where a definite piece of land is in the possession of the one who is going to build a home and on this land he must select the site.

The writer on this subject is met at the outset by the difficulty that every case presents different problems-or the similar parts of the general study bear different weights in different cases-or the problems that call for most study in one case may not be present at all in others. The controlling feature in one case may be a spring, in another the juncture of two highways, in another the only convenient high spot. Sometimes the best site can be seen without question; in others a fairly complete map may be required showing coutours, fences, fields, streams, roads, present buildings, present orchard,

Where one is contemplating building a home (with all the word ought to mean) it will be money well spent to hire a surveyor (or an engineer) make a map, and then lay out the grounds according to the map, all with the approval of the owner of course. The relative heights of different parts of a piece of ground are sometimes very deceiving even to an experienced engineer and much more so to an untrained man.

On the chart the reader will notice that convenience and economy of labor comes next after health and before the subject of scenery. This should surely be so in studying farm home though it might not in case of a country home where little farming will be done.

It may seem unnecessary, and should be, but nevertheless the prospective builder is cautioned against letting some temporary structure, brush, gulley or the like predjudice him against what may be his best building site. Real estate men know that an old neglected place can be sold easier if the old building, fences, etc., are removed. Ladies are more liable to these weaknesses than men. Knowing this it may be advisable to clear away all these things before selecting the site.

CHART

importance:

A. Health:

- 1. Pure water supply.
- Effective drainage.

mer breeze if possible.

B. Convenience and Economy of Labor:

1. Not at greater elevation than

necessary. 2. Water flowing to house by grav-

3. Make basement accessible without steps if possible-both residence

and barn. 4. Make barn easily reached from

5. Water for barnyard.

7. Garden and orchard convenient

to home. 8. Prevent barnyard washing away.

9. Irrigate garden.

C. Scenery as Apparent

1. See as much of the farm as possible from the house. Select moderately elevated site. 2. See as much other scenery as

convenient.

3. Include river, lake or highway. 3. Avoid groves in front,

Same as C except that grove in

CHAPTER II

Concrete About the Country Home

In accordance with the purpose announced in the preface, the discus-To keep within the scope of this sion under this caption must be of do not use high grade fertilizers? may not be familiar or that he may are wasted every year because of overlook.

> Bear in mind the object: to get sat-'to make a dollar do the most good." | a day each?

With this intent where everything bearing on the problem is properly take to give our population two eggs weighed we will find that the quality per day each? of lasting, endurance or permanency is of prime importance. Try to get such materials in such places, and so put in that it will not need to be done over for a lifetime, nor leave regrets for a lifetime.

If every subject in this book were we be paying extra fancy prices for as well covered in other literature as is this, this book would not have been written. At this date, 1929, the read- our farm homes have no lawn or er can get for the asking excellent flower gardens? matter copiously illustrated in Bulletins published by the U.S. Department of Agriculture, Washington, D. C., or from the large cement companies. Nothing could be better, but this book could not be made large enough to include such quantities of details and illustrations.

Dwellers in the country can be most sincerely congratulated that the use of hydraulic cement concrete is becoming so common outside the cities. Its merit is such that its use will surely increase, but let us urge, teach, and preach its use by everyone. Its advantages for many purposes (when properly mixed and placed) cannot be successfully disputed either from the point of view of effectiveness or of economy.

Some of its many advantages are: t is everlasting, rat and mouse proof, bug proof, fungus proof, water proof (when properly done), fire proof; can be built in any shape, can be made and placed by the ordinary farm laborer, (and thereby save us from the exactions of labor unions) and materials (except cement) can usually be supplied from within the

Materials for Concrete

gravel is the cheapest and an altogether satisfactory material for concrete such as required about a farm. it is not reduced to sand. In many localities a farmer may have access to a gravel bar on a river or Pure air-Secure prevailing sum- fine sand as all that will got through

THE QUESTIONS?

How Many Scrub Sires and Offspring Are We Feeding?

AND HOW MANY RATS?

How Many Bugs Do We Fatten On Our Crops?

6. Sewage delivered on garden or lowing and give your reasons for your answers:

> How many scrub sires and their offspring are we feeding-and losing fertilizer money on?

Just how many thousand tons of rich soil is weathering off our farms every year?

Just how many bushels of corn are we feeding to rats every year?

Just how many thousands of miles do we and our families walk to the spring or well and back every year?

Just how many tons of beef and grass that wastes every year yould grow and does not for lack of fencing?

Just how many bugs we fatten on our crops every year?

Just what could we get for the testinal parasites every year?

How many thousand tons of sand | Macon county grew all the oats it do we buy every year because we would take to balance the feed fed Just how much labor and fertilizer

using poor seed? Just how many hundred cows it isfactory, lasting results for least would take than we now have to give cost. Otherwise as is often stated our total population one quart of milk

Just how many more hens would it

Just how many tons of shipped-in

hay do we feed every year? Just how few sheep and how many

dogs are we feeding? Just how soon, if numerous people do not raise some work stock, will leach out of the soil every year.

our work stock? Just why is it that a majority of

Just why and for how long will so many farmers go slouchy and unshaven and feel keenly embarrassed when they meet well groomed men?

Just why will we cuss high taxes and waste so much valuable time, fat per year. land and other material when a little headwork would turn it into a profit? Just why do we think we can grow clean, pure pork when we let our hogs

live in filth? Just from a humane standpoint this always has seemed funny. Yet there is more profit in hogs on free range, fed properly, than those kept in close confinement.

Just why nine out of ten farmers will work fifteen hours a day with their muscles and let their minds loaf on the job?

Just why so many of us keep loafing cows and hogs and chickens the year round and if we hire a man to help us and he is only one-half hour too late getting to work one day we raise cain?

a seive with quarter inch mesh. The coarser the sand the better within the above limit. When natural gravel cantwo inches in the largest dimension of pullets. and the finer the better so long as

It is economy to put some large in a commercial concentrate is one causes sore tongues or cheeks, and unbroken stones in the body of the good measure of its value, since most poor mastication which is followed by Subjects to consider when selecting a gravel bank in the hills deposited concrete while placing it,—these are farm-grown feeds have an excess of digestive troubles. Older horses esa site for a home taken in order of in some mysterious way. The best called "plumbs" and the only limit to fat and carbohydrates and a shortage pecially need attention. mixture is from one-fourth to one- the size and number is that each of protein. third sand, but if it is one-half sand concrete and not lie nearer than it will not be worthwhile to screen it, shall be completely surrounded with

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CONTROL OF TOBACCO FLEA BEETLE NEEDED

Just About the Farm

What would living be like and what a little thing taxes would seem; what beautiful homes we would have; what high prices would our land sell for-if there should happen to be any for sale-; what a paradise Excellent Results May Be for summer visitors; what a Mecca for culture and refinement; what a paradise for summer camps and summer universities; what ideal surround-Please, if you can, answer the fol- ings in which to raise a family of sturdy and well balanced men and women, if:-

Macon county produced all the pork that she consumes.

Macon county grew all the flour she consumes.

Macon county grew all the feed that she consumes.

Macon county grew all the vegetables that the cannery could can for nine months in the year.

Macon county had every foot of land in pastures that could be profitably put into pastures.

Macon county grew all the oats wasted animal products caused by in- it takes to balance a poultry ration.

Macon county grew as much wool

as the people of Macon county now

that could be grown. Macon county had the million dol

lars that she has fed to rats, animal parasites and diseases these last twelve months.

Macon county had the million dollars that her farmers are allowing to

lay no less than two hundred eggs each per year.

that is now being used in the county.

sheep.

ewes-and all purebred.

Macon county's produce went out under grades and registered trade marks.

Yearling Hens

Yearling hens are better than pulnot be gotten the builders must use lets for breeders, as the former usualsand and broken stone. The broken ly lay large eggs which hatch into Where it can be gotten, a sandy stone should never be larger than larger and stronger chicks than those

year. Usually the long, sharp corn-

TRAP BED PLAN

Obtained Through This Method

FLEAS ARE POISONED

"One-In-Six" Mixture Controls Beetle With Fine Results

(By C. H. Brannon, Extension Entomologist)

North Carolina tobacco growers are well acquainted with the damage caused by the tobacco flea-beetle, (or flea "bug"). The damage to tobacco by the flea-beetle is enormous, amounting to many thousands of dollars each year. Therefore, tobacco growers should study carefully the method of control.

The adult tobacco flea-beetle is only about one-fifteenth of an inch in length and usually escapes notice until present in very destructive num-

Tobacco growers should make every effort to control the flea-beetle in the tobacco beds, if this is done, later injury in the field will be lighter. We cannot emphasize too strongly the importance of control in the plant bed. Later in the field they are difficult to control.

Control In the Plant Bed

The trap bed has given excellent Macon county grew all the hogs results in the control of the fleabeetle. Boards should be used around the margin of the bed to support the cheese cloth. (Poles should not be used as they cannot be made tight.) Soil should be banked around the boards so that insects cannot crawl under them. The boards should be fitted closely at the corners. Only new cheese cloth should be used over the bed. Obtain cheese cloth having Macon county saved every year the 25 strands to the inch. The cheese million hours that her farmers waste cloth should be well sewn and fastenin carrying water to the house and ed to the margin boards by wooden to the stock to pay their taxes with. strips. Tacking or nailing the cloth to the boards without the strip will Macon county had dairy cows of usually result in holes pulled in the such quality that it would be looked cloth. An area of several feet around upon as a sorry cow that did not the tight bed should be sown in togive three hundred pounds of butter bacco as the trap. Use poles for the margin of the trap and loosely cover it with old cheese cloth. This Macon county had hens that would loosely covered bed around the outside of the tight bed is the trap. The plants in the trap should be kept well covered with poison (number of Macon county had a good brood applications depending on rains, etc.) mare for every head of work stock As a poison use the "one-in-six" mixture, which is: 1 pound of Paris green with 5 pounds of Arsenate of Macon county's tripe hounds were lead. Use at the rate of 1-2 pound per 100 square yards as a dust. Cover the plants well. Important: The Macon county's average farm, and "one-in-six" mixture has been found all the rest in proportion, had 200 to control the flea-beetle better than corking good hens, two purebred sows, any other mixture. Do not substifive cracking good cows, ten jam up tute calcium arsenate or any other material for Paris green and arsenate of lead.

If flea-beetles show up in a large number in the field, poison as follows: For newly set plants use 3 pounds per acre of the "one-in-six" mixture.

For field control on tobacco half grown or larger, use 4 to 6 pounds per acre of the "one-in-six" mixture. This will control horn worms, also,

ers of horses' teeth need occasional The percentage of protein contained filing by a verterinarian. Roughness

Ringworm of cattle is common dur-Take the farm horse to the "den- ing winter and spring and shoulld be For the present purpose we may de- two ineches to the outside face. These tist" for examination at least once a treated if found. Scrape off the

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