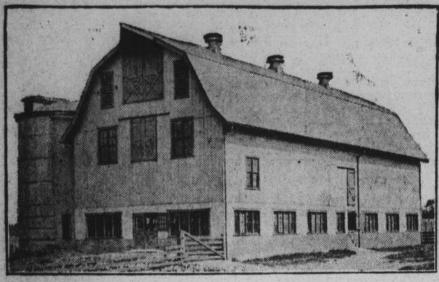
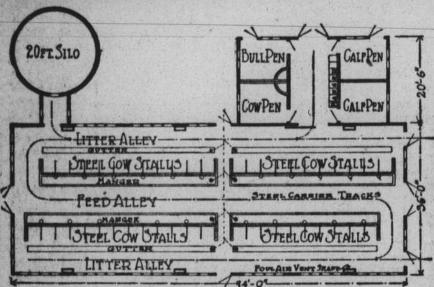
getting along nicely.

### Gambrel Roof Dairy Barn of Up-to-Date Construction





Floor Plan.

By WILLIAM A. RADFORD

Mr. William A. Radford will answer COST on all subjects pertaining to the subject of building work on the farm for the readers of this paper. On account of his wide experience as Editor, Author and Manufacturer, he is, without doubt, the highest authority on all these subjects. Address all inquiries to William A. Radford, No. 1827 Prairie avenue. Chicago, Ill., and only inclose two-cent stamp for reply.

This a gambrel-roofed dairy barn with cement foundation and frame upper structure and its plan emphasizes the kind of care such a structure should have in the building. It has been arranged to insure the best possible light, ventilation and cleanliness for the cows, the workers in this natural food factory, and also to make the work of the dairy farmer more efficient and therefore less heavy.

With its silo it should require the most careful planning from the farmer, both to have it fit logically into the have the buildings represent a harmonious and well-balanced whole, and varying drafts. lso to have it handlest to the feed lots, the pasture, the wind break and the lay of the land. The open yard the dairy herd to be turned out for in the winter. The barn itself ought give it the maximum amount of sun-

The dairy stable portion is about too much effort. 9 feet in height. Nine feet is a good height; one might have less, in order space for hay storage above. Obof stalls without crowding, and the bracing and often bursting the pen. litter and feed alley are left of an want a bigger barn than the one shown, Ing.

the preference would be to extend it

the long way, rather than across. A very wide barn requires too much extra foundationing in the shape of beams, and the framing of it becomes more complicated, not to mention the matter of lighting. It would make the inner row of stalls too dark to be any good for the cows or the ones whose chore it is to attend them. A very long barn is as much to be advised against as a very wide one, Making the barn trun around into an L or a U shape gets around the difficulty nicely, and besides has the added advantage of making a very sheltered

In this barn the cows face each other across the central feed alley, with litter or cleaning alleys at the sides. The advantage of this is that sunlight falls on the gutters and stalls and keeps them sanitary. Then, too, the question of ventilation becomes more easy when the cows face inward, ventilation ducts can be built farm building group of the farm and into the walls and so placed as to be quickly opened or adjusted to care for due to scrub bulls and boars alone.

exercising at least some hours even stall allows the manure to fall to the to run north and south, as this will bedding or the stall. Since the gutter methods leading to further improveought to be a little below the level light obtainable. And sunlight, we of the stall-3 inches is a good dropthe best antispetic, any herd can have. is fairly well taken care of, without

There are four box stalls: the bull pen, a cow pen and two calf pens. to gain the greatest amount of mow These are essential to any dairy barn, and the bull pen especially needs a why they do it. serve that the width is 36 feet. Au- little thought. It ought to be made thorities concede that this is an ideal about 9 feet across, to discourage Mr. er say much. width, since it provides for two rows Bull's efforts to try his strength in

The floor may be of hollow tile, conample width to make work easy. Here crete, wood blocks or of cork brick. it may be well to observe that 36 to 38 | The silo is placed at one end, in the feet is a good barn width. If you most convenient position for easy feed-

## Built-In Feature Less

If the built-in features of the home sible space with folding table and are planned and arranged to be in- built-in seats. Proper arrangement of cluded in the specifications. It is the wall sockets for electrical equipment changing from one idea to another in home building that pyramids the cost | and makes the original figure grow to unexpected size.

The kitchen arrangement should rebuilt-in features which make housework easy incorporated in the plan cations. This feature is and should be the wife's part of home planning, always liable to come up. It is a unit of the construction which should be hers to arrange and plan as she wishes and of which she has a far greater intelligent understanding than the male end of the firm.

The great advances made during the Overheated Rooms Are last few years in the practicability and convenience of built-in features has done much to eliminate wasted space, ent living comfort and reduce building cost. The built-in feature costs about the same as the portable type and from point of service and sloner of that city, who states that

in refrigerator, work table and pantry in a single unit is an excellent feature. These cabinets are built with an attractive arrangement of compartments for flour, sugar, tea, coffee, etc., with

me highly popular and is an ac- fices."

cepted feature in all modern homes This room is a great labor saver, espe-Costly If Part of Plan cially where there are children, and Considerable expense can be saved can be arranged in the smallest posshould be considered.

The wall or door bed is a feature which every home should take into consideration. Their installation arrangements are so perfected that it quire considerable thought and the affords a perfect concealment, and when used are found to give the greatest amount of satisfaction and comand made part of the original specifi- fort in the knowledge that one has a utility bed for occasions which are

> Mothproof closets are being given considerable attention, and can be constructed at a very moderate cost.

Dangerous to Health Precautions for avoiding the onslaught of pneumonia, now on the increase in Detroit, are given by Dr. Henry F. Vaughan, health commisappearance has set an entirely new one way of combating the ravages of this disease during the cold second this disease during the cold season The cabinet kitchen with its built. is to fortify the body against temperature changes. This, he says, can be done by living in cool rooms, by cool morning showers and by daily walking exercises in the open.

"We have developed a pernicious convenient dispensing features, to habit," declared Dr. Vaughan, "of livrether with receiving door and stor- ing in atmospheres of 75 degrees to age compartments. The cabinets oc-cupy the least possible space, are 70 degrees, instead of 65 degrees to vired for electrical equipment and are thing to keep cool in winter. Homes omplete in every detail, are too hot, and so are restaurants, the breakfast room, or nook, has theaters, stores, schoolrooms and of-

### Wintering of Pullets Requires Great Care

### Culls Should Be Disposed of for Meat Purposes.

A poultryman must think about many things if he wishes to get his pullets in condition for a good total

and poor birds should be sold for ened last summer. meat purposes. A pullet five months loose feathered and weak, is considered poor or a cull.

The next step is to grade and house the good and medium classes according to size and maturity rather than age. This will prevent a molt and Every bird should be treated with a better no wsince the transfusion. good lice killer. A thorough cleaning

Do not put more pullets in a pen than the roost and floor space can accommodate. Keep the house well open on the front, but have the sides and back tight against drafts. Use curtains on the windows when freezing weather begins.

feed a day per hundred birds. This should be made of equal parts of cracked corn and wheat. If artificial lights are used, then 14 pounds of scratch feed should be fed each day. Mash should be available to the birds at all times. Do not allow the pullets to lay more than 50 per cent of normal production for the next few

## Pure Bred Live Stock in

Kentucky Is Progressing Kentucky, long famous for its fine horses and blue-grass pastures, is not content with past laurels, but is making rapid strides in improving the quality of its food animals as well. According to Wayland Rhoads, field agent in animal husbandry of the Kentucky extension service, who recently visited the United States Department of Agriculture, scrub sires are being replaced rapidly with pure breds. According to best estimates 16 per cent of the dairy bulls and 20 per cent of the beef bulls in the state are now pure bred and the proportion is increasing. A few years ago one-half of the east Kentucky mountain, counties had no pure breds at all, and the state was losing \$15,000,000 a year

The reports of Mr. Rhoads are sup-The usual stall runs from 3 feet 2 ported by figures obtained in the "Betinches to 3 feet 6 inches. The very ter Sires-Better Stock" movement, in narrow stall is not economical or ef- which Kentucky now ranks third shown in the illustration should be, ficient, and the advantage on the score among all the states. A total of 1,508 by preference, to the south, enabling of cleanliness is offset by discomfort farmers in Kentucky have signed writcaused the cows. The average wide ten agreements that they will use pure bred sires exclusively for all classes gutter without too much solling of the of live stock kept and will follow

know, is about the best conditioner, the matter of draining and cleaning TRY OTAR MANT DS WANT ADS

Most people have to work. That is

Grafting Operation-Hospital Has its Largest Number.

The Shelby Public hospital last tis. First, the pullets should be handled week had 25 patients, the largest Clyde Mull of Lawndale is resting will be remembered he shot his foot John Wylie Smith was operated on and graded into four classes—good, number that has been in this institu- well from a chest trouble for which about ten days ago. medium, poor and culls. The culls tion at any one time since it was op- he has been receiving treatment.

old, weighing less than three pounds, bison and Scruggs have performed Within the past few days, Drs. Hartwo very difficult and unusual operations. Bobbie Rudasill, Shelby football star, gave up a quantity of blood from his veins which was transfused into the veins of his sister, Mrs. Jas. will make feeding more efficient. Willard, Mrs. Willard is doing much

W. H. McSwain who has been a paand whitewashing should be given to tient for some time suffering with a all the pens. All leaks in the roof carbuncle on his neck, had skin transshould be mended and the floors made planted from his leg to the back of dry. Straw should cover the floors to his neck by Dr. Harbison. The cara depth of six inches. After the pul- buncle was as large as a tea cup. Dr. lets are penned they should not be al- Harbison used the "pinch" method of lowed out of doors until late in the skin grafting-picking up small pieces

Mrs. Margaret Doggett, widow of Pullets require 12 pounds of scratch having gone tothe hospital Sunday.

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# Twenty Years of Successful Automobile Building

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**DEALERS** 

SHELBY, N. C



### Hewitt Dellinger son of Graham is a patient for treatment. Dellinger is there for an operation for appendicitis. E. M. Ford of Boiling Springs is ation for appendicitis.

is resting well from an operation,

Springs is there for treatment.

Miss Rebecca Bridges of Boiling

there for an operation for appendici-

One Blood Transfusion and One Skin

of skin from Mr. McSwain's leg and transplanting it on the back of his neck where it is growing and spreading so that it is gradually covering

the late Minor Doggett is a patient, She suffered a fall but no bones were

## Way by Experience

insects, red and black look alike orang and yellow are the same as green, and there is no difference in the appearance of blue, violet, and purple. However, they can see ultra-violet rays, which are that the guiding influence which takes milk and feed at the same time. A novel them back home is nothing more than experience. It has been long known that bees locate hives whicker, the longer they have occupied them. During the experments, some of them were put to sleep by ether, taken from a new hive, and moved 12 yards away. On the third day 30 per cent returned and 90 per cent had reached home on the eighth day.

### Auto Stored on Sliding Shelf to Save Space in Garage

Polled from a driveway onto platforms hat slide to their storage spaces on steel ruls imbedded in the floor, automobiles can be parked in garages with great sav-



of those studied however, can keep up ing of room and little danger of damage ally used, as the cows have greater freetheir speed for any considerable distance, from contact with posts, walls, or other dom to move their heads around, the al lough the fox and wolf can beat either cars, by the invention of a mid-western bars permitting the chain to be moved the greybound or race horse in this re- engineer. The system, it is said, permits up and down, but preventing the cows a third more machines to be accommo- from moving backward.

Miss Lola Hamilton of S. Shelby ng treatment is doing nicely. S. C., Lattimore of No. 8 township Miss Dennis Byers of Patterson is recovering nicely from an operation. Springs is doing well from an oper-Mrs. M. F. Hamrick of Caroleen is a patient for treatment.

Mrs. J. F. Cline of Lawndale who Mrs. F. P. Patton of Shelby, operc-Mrs. B. E. Pearson of South Shelby has been under treatment is doing tive patient is recovering rapidly. Mrs. Clarence Leonard was able to

L. E. Dellinger of Kings Mountain go home Sunday, after an operation R-4 is resting well from an opera- for apppendicitis. Mrs. C. F. Humphries of Symrna,

Broadus Newman is doing well and S. C., is a patient suffering with a will be able to go home this week. It fractured hip.

late Saturday night for acute appen-Mrs. J. M. Black who is undergo- dicitis.

# What the World Is Doing

### Sun's Rays Make Alarm Clock of Cannon

Fred Guffey of Kings Mountain is tion for appendicitis.

Sunlight is called upon to inform the residents of a community in southern



setting off the charge in a connon. Fixed to the piece is a small lens that focuses the rays on the touchhole of the gun in such a way that they do reach the powder until the sun's preis directy in line with a tiny open.a. The supports of the "alarm" are arranged to adjust it to the light beams at the same ime every day of the year. Often the levice fails to work because of cloudy kies that prevent sufficient heat from eaching it to imite the explosive. The

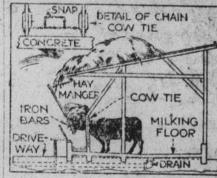
### Greyhound Is Speed Demon of A. imal Kingdom

Through a series of recently completed tests, the speediest an mals are reporte! o have been determined as follows: the greybound, race borse, prong-borned anclope, hare, Texas jackrabbit, common ox. coyote, foxbound, and gray wol The records were made by noting the number of bounds made by each anima! o a given space of time, by means of a cop watch, and then measuring the length of the leap. The greyhound, i was ascertained, can travel a short distarce at 35 miles an hour, about four miles an hour faster than the bare. None

Bees, Color-Blind, Must Learn . dated than by other methods. Any of the raoving "shelves" can be pushed to the passageways for loading and returned Bees are color-blind and they learn to position in a few moments. Owing to their way about by experience author the ease with which they can be moved, Europe when high noon has arrived, by than by instinct, according to teste re- hand power alone is required. Attendcently conducted by scientists. The gx- ants are also relieved of the trouble of perts show that to these honey-making | manipulating the cars to guide them into talls of crowded garages.

### A Novel Dairy Farm

they can see ultra-violet rays, which are invisible to the human eye. It was found therefore provision should be made to



dairy barn, which is arranged to permit this, is shown in the drawing.

The hay manger is located above the heads of the cows so that they have to reach up a trifle to pull the hay out; the pottom has a row of 1/2-in, bars to allow this. A hay manger of this type has the advantage of containing enough hay to ast the cows for a number of days. The trap door of the hay manger hangs outward on chains and can be pushed back into vertical position whenever necessary, es in cold or stormy weather.

The grain manger is of the ordinary type, except that it is much larger and also lower. Both mangers can be filled from the outside, from a wagon or truck, the surplus hay being temporarily stored on the roof, ready to be raked into the manger when needed.

Another interesting feature of the dairy barn is the chain cow tie, which is an improvement on the stanchions usu-

