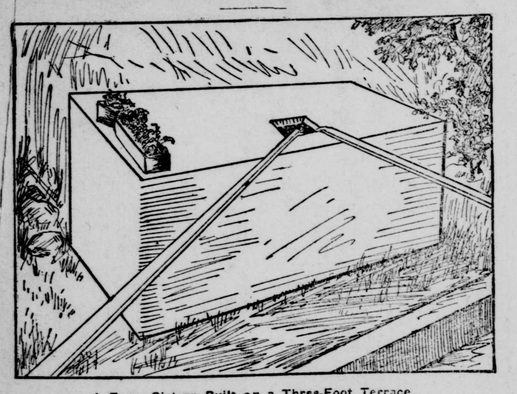
CONCRETE CISTERNS ON TOP OF GROUND



A Farm Cistern Built on a Three-Foot Terrace.

An abundance of soft water is a great aid in solving the labor problem of housekeeping. With the general use of concrete there has developed a new style of cistern which further lightens the work of the housewife. This new concrete cistern is built on top of the ground and, by direct pressure, forces the water through pipes into the house and does away with the work and exposure of pumping and carrying water.

To illustrate the general method of construction, consider a cistern 8 by 8 feet square in the clear and 8 feet high with 6-inch side walls and floor and 4-inch roof. Such a cistern holds 121 barrels of water.

The piping of the water allows the cistern to be located to the best advantage. The cistern may be placed on a three-foot terrace in the rear of the house. The carrying of water is thus reduced to the mere matter of turning a faucet in the kitchen.

The first step in building a cistern is to have all materials on hand before beginning the work. Make the forms or molds of 1-inch siding on 2-by-4-inch studding spaced 2 feet. Remember that the siding always goes next to the concrete. Since the floor is 6 inches and the roof 4 inches thick, have the studs for the outside form not less than 8 feet 10 inches in length. The uprights for the inside form must be exactly 8 feet long. As the pressure of the concrete will tend to hold the siding in place, tack it lightly to the studding. Board up the outside form only to height of 3 feet, so as to make easier the handling of the concrete and the placing of the reinforcing rods. Build each side separately in order that the entire form may be quickly erected. See that the forms are joined in such a way as to make their removal an easy matter when surrounded by the solid concrete.

Proportion the concrete 1 part Portland cement to 2 parts sand to 4 parts crushed rock. Four parts of clean bank-run gravel may be used instead of the sand and stone. In measuring the materials do not guess or count shovelfuls. Measure exactly by means of a bottomless box, and count one bag of cement equal to one cubic foot. Mix the concrete mushy wet and fill the trenches to a level with the under side of the cistern floor.

To take care of the water pressure, reinforcing rods must be run in both directions through the concrete wall. For this purpose, use ⅜-inch rods 10 feet long. While the concrete in the foundation walls is yet soft, set the vertical rods in it (spaced 8 inches) to the depth of 1 foot. Carefully place these rods so as to bring them within 1 inch of the outside walls.

After the floor has hardened for three or four hours erect the inside form. Before setting up the outside form fasten the first four horizontal rods to the vertical reinforcing by means of small wire. These rods are spaced 8 inches apart. The ends must be bent and spliced around the corners of the cistern. Set the outside form and begin building the concrete side walls. Use the concrete mushy wet and work it down next to the wall form with a wooden paddle. Place it in 8-inch layers carried around the entire cistern. See that exactly 1 inch of concrete is between the steel reinforcing and the outside form. Do not stop placing concrete until the walls are finished.

The cistern may be used for water storage after it is one month old

If ornamental features are desired, moldings or tile decorations may be ustd. The point to bear in mind is that an inexpensive cistern located on top of the ground provides the country house with the conveniences of a costly city water works.

VETCH IS GOOD CROP

Common Variety Makes Excellent Feed for Stock.

Inoculation Is Necessary in Successful Culture, but This Is Not Hard Matter to Arrange—Will Not Stand Cold.

The southern farmer can grow either the hairy or the common vetch without very much trouble.

In the south we grow a good deal of common vetch of the so-called winter strain. We pay about 3 ents a pound for our seed, and this is one of the reasons why it is grown in preference to the more hardy hairy vetch, says a writer in the Farm Progress. Hairy vetch seed will cost twice and three times as much per pound as the common variety.

The common vetch seed is a gray and somewhat flat seed, larger and smoother than that of the hairy variety. There are two varieties of it, the spring type being sown in the spring, and the winter type in the fall.

I have found that the common vetch makes an excellent feed, either green or in the form of hay. I have sown it several times as a cover-crop and as a green manure crop. As a green manure crop it is as good as anything I have ever used.

It requires a fairly good soil in order to succeed. It will not have much of a growth on alkali or gypsum soils, and, unlike the hairy vetch, will not stand much drought. I prefer to sow it in the winter on account of its withering under the intense heat of late summer.

The first time I sowed it I did not mix it with any other plant. I found that the vetch stem is too weak to stand up alone if it makes satisfactory growth, and since that time I sow it with wheat or rye. I put about 60 pounds of the common vetch seed on the acre, mixing it with rye or wheat at the same time.

Common vetches will not withstand a temperature of less than 15 degrees above zero and make much of a growth afterwards. Even the winter variety is lacking in power to resist any real cold weather, and usually frost kills badly if the winter is a hard one. If the hairy vetch seed were not so high it would be generally grown here, instead of the common variety. It is a valuable plant for restoring washed or wasting soils. It grows well in sandy lands.

Inoculation is necessary in successful vetch growing, but this is not a very hard matter to arrange. When vetch is being grown for the first time, soil from a field where vetch has been raised should either be broadcasted over the seed bed or mixed with the seed themselves at the time of planting.

Besides the hairy and the common vetches there are other types of this legume that are grown to a considerable extent. There is the black-bitter vetch that is proving to be a great manure crop in the southwestern states. Scarlet vetch will grow anywhere that common vetch will do well. There is a purple vetch, too, that is adapted to this, the south half of the United States. There is a narrow-leaved vetch along the Atlantic coast in the southern states that is valuable for pasturage.

A very near relative of the hairy vetch is the woolly-podded vetch. It is earlier, and fully as hardy as the hardiest type of this legume. There is a Narbonne vetch, a recent importation on the Pacific coast. In this section the common and hairy vetches are better than any of the others.

GENERAL FARM NOTES

Protect the bees well from the severe weather.

The sure way to know what cows are doing best is to test.

Why put off the buying of farm implements till the rush of spring buying?

Many dairy barns look better from the outside than they do on the inside.

Only 50 cents worth of fertility goes off the farm with each ton of butter.

Experiments prove that beets should be fed very sparingly to pregnant ewes.

Sour cream makes more butter than sweet cream, but the flavor will not be quite as good.

No breed of cattle brings such profits as—the one that is well fed and properly cared for.

A good brood mare on the farm pays her way with the work she does, leaving her colt as a clear profit.

It seldom pays to doctor a sick chicken, but it does pay to use the most improved methods to prevent disease.

Blackstrap molasses is a crude product made from sugar cane, and is considered a very good feed for dairy cows.

Sweet corn will make as good silage as ordinary field corn. It would not be economical to grow on account of the smaller yield.

A hog fed on corn alone from the time it is weaned from its mother until butchered [illegible]

PECULIAR ANT DRUM CORPS

Section of Marching Army Told Off to Warn Main Body of the Approach of Possible Danger.

Many observers have noticed the soldierlike qualities of an army of termites, or white ants, when in close array it overwhelms the objects of its attack or travels along in orderly, military file. An account in La Nature, based on the observations of Professor Bugnion of Lausanne, tells of a curious drum corps of these fierce little warriors.

One day Professor Bugnion visited a little island on the Lake Amobalangoda in Ceylon. While idling about he suddenly became aware of a faint drumming noise. Turning in the direction from which the sound came, he perceived a colony of termites beneath some dry leaves that had fallen from a bread tree. The noise, which lasted for a few seconds, sounded like the very distant roll of a drum. On closer investigation Professor Bugnion discovered that it was caused by a little band of termites beating a lively tattoo with their mandibles against the bottom of the leaves. They had evidently been disturbed by his approach, and were warning the working battalion of the army.

Another instance of the effectiveness of the drum corps was observed in the interior of a bungalow. Noticing that termites had invaded the wall of one of the rooms, the owner had placed in one corner an iron pot filled with bits of wood; he hoped to attract them into the pot and then burn them. Professor Bugnion went into the room and closed a closet door somewhat sharply. Immediately he noticed a drumming noise coming from the kettle. As soon as the sound died away, he repeated the experiment, with the same result. Each time that a sharp or unusual noise was made, or that some one talked loudly the termites' signal of alarm was drummed in the kettle.—Youth's Companion.

FAME



First Microbe—What's the new germ looking so stuck up about?

Second Microbe—Why, he had his portrait published in one of the leading scientific monthlies 8,000 times life size.

AUTO AILMENTS.

A formidable array of nervous and other ailments has been charged against motoring, the victims for the most part being women, indicating that this sport is overstrenuous for them. Among the ailments are the "auto eye" and the "auto leg." The auto eye is a spasm of the ciliary muscles, which govern accommodations for distances, the sight being constantly and rapidly attracted by objects now near, now distant, making an abnormal strain on the visual mechanism. The Journal of the American Medical Association describes the auto leg as a cramp due to sitting in one position for hours while the veins and muscles are under strain from consecutive shocks and joltings over hard roads.

FINISHED.

"What is a finishing school?"

"A finishing school? You want to know what a finishing school is?"

"Yes. I understand you sent your daughter to one."

"I don't know. All I know is that it finished my balance at the bank."

TRAIT OF OLD FAMILY.

"They say she comes of a very old family."

"I don't doubt it. One can see the family trait in her very clearly."

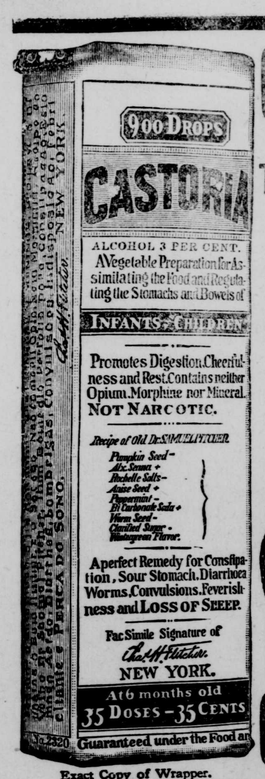
"What trait?"

"Age."—Boston Transcript.

OFFICIAL ACTIVITY.

"What are the principal activities of the official position our friend occupies?"

"Those involved in holding on to it," replied Senator Sorghum.



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Send for a copy of "The Story of the Stencil." Also make application and receive one of our beautiful souvenirs—sent free. Agents wanted in all unoccupied territory. Pianos shipped direct to customers, freight and expenses prepaid. EASY PAYMENTS [illegible]

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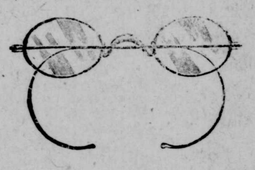
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The Baltimore News, Baltimore, Md.

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Anything injurious here? Ask your doctor.
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Plumps Wrinkles Out

KEEP YOUNG LOOKING FOR YEARS

An astonishing product for plumping out wrinkles, hollow cheeks, to a velvety, smooth, exquisite complexion, and keep young looking for years. The Chicago fair sex have suddenly become beautiful and fascinating.

Everywhere you look, walk or turn, you hear women and men talking—"Yaak," "Yaak," "YAAK" special. The Chicago beauty seekers have rushed about to get the latest beautifier called "Yaak." Judging from their desperate effort in the department stores and druggists, that "Yaak" (Special) is quickly gobbled up by the mad rush of women, and impossible to supply the enormous demand. "Yaak" is delicate, harmless and fascinating to the skin, absolutely free from dangerous drugs "Yaak" (special) is purely vegetable Herbs, Oils of Nuts, Lily-bulb Juice, Cerasine, Olive Oils and Cocoanut Chips, which give the face a healthful, glowing appearance. Apply a little at night, and every morning; you will quickly see a surprising change. The newest, irresistible, brilliant complexion beautifier has suddenly made a tremendous stir among the wrinkled faces, pimply faces, freckled faces and coarse pores. It is said to be the greatest preparation in the wide world to remove forever those ugly facial blemishes, and with amazement, makes the face satin-smooth, plump, and pearly-white. For those who have pimples, blackheads, and coarse pores of long standing will be astonished how quickly they can get rid of those homely features with "YAAK" (Special). It never fails to give quick results. No samples given; the ingredients are special products. A large shipment of "Yaak" (special) reached Chicago, and it was quickly gobbled up in a few hours. Many disappointed women, failing to get it, left their names with cash for the next shipment of "Yaak" (special) expected in a few days. "Everything gone," "'Yaak' is all sold out," "Will have more in a few days," are the short answers from clerks. Many society women, beauty parlors, and residences have telephoned in their orders thick and fast to the department stores and druggists. Heavy mail orders from out-of-towns are coming in fast for "Yaak" (special). The demand has been enormous. "Yaak" (special) gives the face an extremely brilliant, fascinating, plump, youthful glow. An exquisite refined complexion. It comes in two sizes: $1.00 per box, and also 50 cents per box. But if your facial blemishes are of long standing, then get the larger size box, you will surely need it for permanent results. Your town druggists can probably get it for you from the wholesaler. Or else send your money orders to any of the Chicago business firms. Will be shipped to you promptly by mail.

Economical Drug Co. (Opposite Marshall Field Co.)
Siegel-Cooper Co.
The Public Drug Co.
Buck & Rayner's (3) Drug Stores.
Rothschild's big department store, and The BIG FAIR Store—all big Chicago firms.

Local sales agents wanted for distributing "Yaak" (special). Write to the YAAK Mfg. Co., department A. A., Chicago.

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3.30	6.30		Lv. Baltimre Ar.	11.50	
7.12	10.16	8.58	Denton	8.16	5.26
8.33	11.55	10.35	Ar. Lewes Lv.	6.45	3.50
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Two 6-room and one 7-room dwellings on Fountain avenue, also the building recently used as a Restaurant on Third Street; also two rooms 20 x 45 feet over T. W. Smith's jewelry store, in Carter Block, all located in Denton.

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Farm of 47 acres, 30 acres good arable grain and grass land, located 1 mile of Hobbs, 3 miles of Denton, 4 room dwelling, necessary outbuildings. Splendid neighborhood and locality. Price $2,200.00.

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