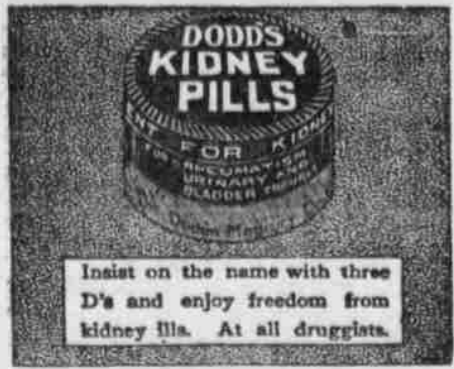


One Box Dodd's Kidney Pills
Relieves Mrs. Frey's Rheumatism

Mrs. Ira Frey, of Le Mars, Ia., suffered for six long months with the agonies of rheumatism. Then she heard of Dodd's Kidney Pills and bought a box. Here is what she writes:

"For six months I had rheumatism. I had swelling of the limbs, stiffness in the joints and cramps in the muscles. I suffered greatly from backache. My limbs felt heavy, and I had a dragging sensation across my loins. I had a great deal of pain in the top of my head, was often dizzy and had flashes of light and floating specks before my eyes. I had heart flutterings and could not sleep well. My appetite was fitful and I felt heavy and sleepy after meals. I suffered from shortness of breath. After taking one box of Dodd's Kidney Pills I was much improved."



One Treatment with Cuticura Clears Dandruff
Soap 25c. Ointment 25 and 50c.

Advice.
"My son, it is easy enough to be a promising young man."
"Yes, father."
"But the trick in life is not to promise, but to perform."

RECIPE FOR GRAY HAIR.

To half pint of water add 1 oz. Bay Rum, a small box of Barbo Compound, and 1/2 oz. of glycerine. Any druggist can put this up or you can mix it at home at very little cost. Full directions for making and use come in each box of Barbo Compound. It will gradually darken streaked, faded gray hair, and make it soft and glossy. It will not color the scalp, is not sticky or greasy, and does not rub off. Adv.

Becomes a General Nuisance.
"De man dat's always bossin' around," said Uncle Eben, "is liable to get folks so interested dat dey neglect deir work to listen to him talk."

Important to Mothers
Examine carefully every bottle of CASTORIA, that famous old remedy for infants and children, and see that it bears the Signature of *Wm. D. Fletchere* in Use for Over 30 Years.
Children Cry for Fletcher's Castoria

Naturally.
"Does the new question department you started work all right?"
"No; I find it won't answer."

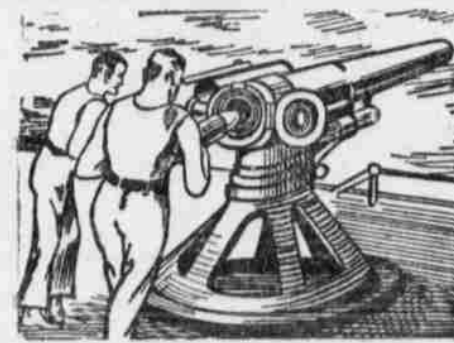
The Quinine That Does Not Affect Head
Because of its tonic and laxative effect, Laxative Bromo Quinine can be taken by anyone without causing nervousness or ringing in the head. There is only one "Bromo Quinine." H. W. GROVE'S signature on box. See.

Willing to Be Wise.
"A wise man changes his opinion."
"I'd like a chance to change my opinion about this climate."

A frame has been invented to enable one man to operate a two-man saw.

Garfield Tea, by purifying the blood, eradicates rheumatism, dyspepsia and many chronic ailments. Adv.

Money talks conclusively, but occasionally it gets rattled.



Our boys are defending this country on the high seas and on the land. Our own defense against a common enemy is to keep the system clean by ridding the body of the toxins, or poisons, which are bred in the intestines. When you feel tired, sleepy, headachy, when your breath is offensive, or pimples appear on the face and neck, it is time to recognize the danger and protect your bodily health by taking something for the liver such as Dr. Pierce's Pleasant Pellets.

The machinery of the body needs to be oiled, kept in good condition, just as the guns or machinery of a ship. Why should a human person neglect his own machinery more than that of his automobile or his guns? Yet most people do neglect themselves. Their tongue has a dark brown color, skin sallow, breath bad, yet they fail to see that their machinery needs attention.

Dr. Pierce's Pleasant Pellets have been known for nearly half a century. They are made of May-apple, leaves of aloe and jalap, made into a tiny pellet and coated with sugar. They are standard and efficacious. You can obtain them at any drug store in vials for twenty-five cents. Ask for Dr. Pierce's Pleasant Pellets—and get no other!

CHILDREN'S COUGHS
may be checked, and more serious conditions of the throat will be often avoided by promptly giving the child a dose of **PISO'S**

ROAD BUILDING

NATION-WIDE BOOST IS SEEN

All States of Union Have Availed Themselves of Opportunity Offered by Government.

(Prepared by the United States Department of Agriculture.)

That the better roads movement is receiving a nation-wide boost is shown by the fact that all the states of the Union have availed themselves of the opportunity of participating in the benefits of the federal aid road act, which appropriated \$75,000,000 for the construction of post roads and \$10,000,000 for forest roads, according to the report of the director of the office of public roads and rural engineering, United States department of agriculture. That the passage of the act has stimulated road building is shown by the fact that in 1918, there were approximately \$41,000,000 of state funds expended for all highway purposes, and it is estimated that in the calendar year 1917, the aggregate expenditures of state funds for this purpose will be at least \$60,000,000. A number of the states have made specific appropriations to meet federal aid dollar for dollar. Among these are New York, Illinois, Michigan, Rhode Island, Nevada, Iowa, Florida and Vermont.

BUILD ROAD CULVERTS RIGHT

Waste of Time and Money Unless Work Is Done on Approved Plan Under Competent Direction.

No culvert that is improperly built is safe or economical. On the contrary, it is a waste of money to spend it on such work unless the work is well done on an approved plan under competent direction. There must be



Low Water Concrete Bridge.

calculation as to the volume of water the culverts are to carry off in rainy season and flood time, not in dry weather, and as to the durability of the material used in their construction. There can be no skimping on culverts or bridges or drainage without waste. It is better to have these things permanent and adequate than to have an expensive form of road surfacing if a choice must be made. The man who built his house on shifting sand instead of solid rock has been regarded for centuries as the prince of fools.

AUTOMOBILE IS BIG FACTOR

Present War Has Found in Roads and Motor Cars Means of Moving Great Numbers of Men.

Two conditions of civic life emphasize the necessity for good roads. One is war. The Roman roads were built because Rome had vast armies to move. The present European war has kept thousands upon thousands of men busy in eastern Prussia and western Poland building roads in territories where before there were only swampy trails. Many of the roads in Belgium and northern France were built during previous wars, when vast armies must be moved quickly, so that the present war has found in roads and motorcars the means of moving great armies as never before. Good highways have made possible a rapid transportation of troops which is astonishing the entire world.

IMPORTANCE OF ROAD DRAGS

More to the Work Than Standing on Implement Holding Reins Over Team of Horses.

Perhaps the ease of dragging the road and the simplicity of the King road drag has been overemphasized. At any rate, there is more to road dragging than standing on a drag and holding the reins over a team of horses. And there is more to drag building than merely planning together of the two slabs of a split log. On the other hand, almost any sort of driving down the road with the roughest possible pair of slabs, slapped together in any old way, will change the ordinary road for the better.

Concrete Culverts Best.
Concrete culverts are, without doubt, the best to use in point of durability and cost of maintenance. There are several reinforced and plain concrete pipes manufactured in most states which make very satisfactory culverts.

Don't Disturb Sow.
After farrowing the sow should not be disturbed, and if she lies quietly for 10 or 12 hours, so much the better. When she wants anything she will go to the trough for it.

DAMAGE BY MUSKRATS

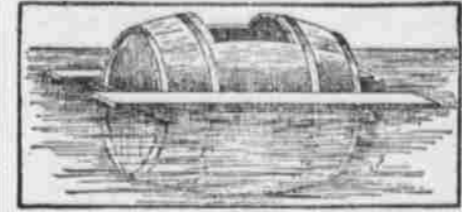
They Are Responsible for Considerable Injury to Crops.

Little Animals Are Most Valuable for Fur and Should Be Protected and Trapped Where They Are Not Troublesome.

(Prepared by the United States Department of Agriculture.)

Musk rats are responsible for considerable damage to growing crops, irrigation ditches, mill dams, etc. They are the most valuable fur animals in the United States and when they are not troublesome should be protected and trapped for fur, but in some localities it is necessary to employ measures to reduce their numbers or prevent them from causing injury. This can usually be done by trapping, and the sale of the pelts makes such activities profitable. Often crops may be protected by the erection of wire-mesh fences between them and the marsh or pond where the animals live. Such fences should reach at least six inches beneath the surface of the ground to prevent the muskrats burrowing under. In narrow waterways barrel traps have proved efficient in catching large numbers of these animals.

Injury by Muskrats.
By erecting more permanent works, owners of embankments, dams, etc., may guard against injuries to their



Floating Muskrat Trap.

property by muskrats. A more general use of concrete, for example, has greatly minimized such troubles. The more liberal use of gravel or coarse sand for the surface of embankments has been found effective, since the animals will not burrow in soil that fills the hole as fast as they open it.

Destruction of muskrats, where this is desirable, as well as their protection, which is in most cases advisable, is discussed in a recent farmer's bulletin, No. 869, of the United States department of agriculture.

MORE COMMON GRAIN PESTS

United States Department of Agriculture Is Endeavoring to Standardize Fumigants.

Anticipating an unusual prevalence of the more common grain weevils in stored grains this winter, the bureau of entomology of the United States department of agriculture is exercising special efforts to standardize fumigants for these pests and determine methods of application on a large scale to prevent their damage as much as possible. Reports to the bureau are to the effect that persons who are storing grain may expect more weevils than usual this winter.

SPREAD MANURE OVER FIELDS

When This Method Is Not Practicable It Should Be Piled Under Shelter of Some Kind.

The best way to handle manure is to spread it over the fields as promptly as possible. The fresh manure is far better on the land it is to enrich than put in piles in the barn. When it is not practical to spread the manure as fast as it accumulates in the barn it may be piled under shelter till such a time as it may be spread. It is best to have a firm surface to pile it on.

START CAULIFLOWER IN BOX

When Plants Are Large Enough Transplant Them Between Rows of Sweet Corn.

Cauliflower plants should be started early in boxes of rich soil; the sweet corn should be sown in hills three feet each way, and when the cauliflower plants are large enough transplant between rows of sweet corn in deep holes two or three feet apart and with both crops plant but a few rows at a time to provide a long cropping season, so cauliflower will follow corn for table use, being a late maturing crop.

ASPARAGUS BED READY EARLY

Pecuniary Advantages to Be Reaped Sufficient to Satisfy Most Ambitious Gardener.

An asparagus bed is ready for use in very early spring, when everyone craves fresh vegetables. It is easy to grow after once started, and yet an asparagus bed is rarely found on a farm, though the pecuniary advantages to be reaped from it are sufficient to satisfy the most ambitious gardener.

DRINKING WATER FOR FOWLS

In Extremely Cold Weather Chill Should Be Taken Off—Furnish Twice Each Day.

Drinking water almost at the freezing point or water with ice in it, hinders egg production. In extreme weather, warm water (the ordinary supply with the chill taken off) should be furnished at least twice a day and three times a day if convenient.

TIME FOR CUTTING ALFALFA

When Field Is About One-Tenth in Bloom Is Considered Right for Hay for Cattle.

It is commonly believed that the proper time to begin cutting alfalfa hay is when the field is about one-tenth in bloom. Cutting at such a time makes very good hay for cattle, but such hay is too "washy" for horses at hard work. To make hay suitable for horses at hard work, alfalfa must be allowed to become rather mature before cutting; in fact, the field should be in full bloom before the mowing is started. The hay should be thoroughly cured and stacked. Special care must be taken to prevent spoiling or molding, as moldy, musty or dusty hay of any kind is injurious to horses.

SOILING IS GOOD PRACTICE

Kinds of Crops to Be Grown and Manner of Cutting and Feeding Dependent on Conditions.

Soiling is the practice of growing various forage crops to be cut green and fed to live stock in that condition. Any crop, such as corn, rye, sorghum, oats, cowpeas and clover (which can be cut green and fed to live stock and eaten by them), may be used as a soiling crop. Corn, sorghum, rye and oats are probably best for this purpose in most sections, yet in some places other crops may be grown and the manner of cutting and feeding them will depend upon local crop conditions and the kinds of animals to be fed.

REPLACE ALL BROKEN GLASS

Plants in Hotbed or Cold-Frame Are Often Injured by Freezing—Rodents Excluded.

Plants are sometimes frozen or injured in the hotbed or cold-frame because of broken glass. New panes should be placed in the sash wherever there are holes. This may also avoid a heavy loss by preventing the entrance of mice and rats.

VALUE OF NITRATE OF SODA

Under Ordinary Conditions 60 to 100 Pounds Per Acre May Be Applied in the Spring.

(By CHARLES A. MOORE, Tennessee Agricultural Experiment Station.)

If the wheat be preceded by cow peas, soy beans, or one of the clovers or if a dressing or farmyard manure be made, then only acid phosphate at the rate of, say, 200 pounds per acre is advised as a fertilizer. Otherwise a complete fertilizer, such as recom mended for corn, may be used. Under some circumstances a light dressing of say, 40 pounds per acre of nitrate of soda may be profitably made in the fall, especially if the seeding be unduly delayed. Under usual conditions 60 to 100 pounds of nitrate may be applied in the spring, as soon as early growth starts, but the margin of profit is not great. Cottonseed meal, dried blood, nitrate of soda, and other active forms of nitrogenous fertilizer are detrimental to the germination of seed with which they come into direct contact, and the later and more unfavor



Bumper Crop of Wheat.

able the season the more pronounced is this effect. If any one of these materials be used, therefore, it should be drilled in separately from the seed. Acid phosphate, however, does not injure the germination, so that when used alone no precaution is necessary.

ARE IMPLEMENTS IN REPAIR?

All Broken Parts Should Be Replaced During Slack Season in Winter to Save Time.

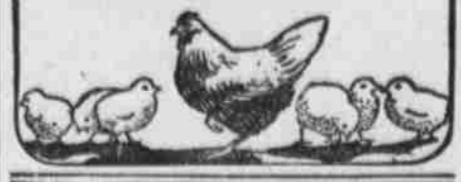
Are the tools in good order? Do any broken parts need to be repaired or replaced with new pieces? Attending to these matters now may save much time next summer when we can't afford to lose a minute.

MANURE APPLIED IN WINTER

Materially Adds to Supply of Organic Matter in Soil—Loss From Leaching Prevented.

Stable manure applied during the winter on land sown with rye which is to be plowed down next spring, will materially add to the supply of organic matter in the soil. The rye will prevent any loss from leaching.

POULTRY FACTS



IDEAL HOUSE FOR CHICKENS

Wherever Possible Building Should Have Southern Front—Fresh Air and Sunshine Help.

Plenty of fresh air and sunshine, along with freedom from drafts and dampness, are the requisites of the ideal poultry house, yet there are many poultrymen who build expen-



House With Open Front.

sive houses for their fowls without giving a thought to the real needs of the hen. Nothing plays a more important part in regulating the condition of the house than does location. Wherever possible the house should be built on a southern slope and it is better if there is some protection, as a grove of trees, to the north. This will give the house plenty of sunlight during the greatest possible time and will also protect it from the cold winter winds.

GET EGGS AND MEAT FROM KITCHEN WASTE

(Prepared by the United States Department of Agriculture.)

In every household, no matter how economical the housewife, there is a certain amount of table scraps and kitchen waste which has feeding value, but which if not fed, finds its way into the garbage pail.

Poultry is the only class of domestic animals which is suitable for converting this waste material, right where it is produced in the city, into wholesome and nutritious food in the form of eggs and poultry meat.

Each hen in her pullet year should produce ten dozen eggs. The average size of the backyard flock should be at least ten hens. Thus each flock would produce in a year 100 dozen eggs which, at the conservative value of 25 cents a dozen, would be worth \$25.

By keeping a back-yard poultry flock the family would not only help in reducing the cost of living but would have eggs of a quality and freshness which are often difficult to obtain.

Remember that eggs produced by the back-yard flock cost very little, as the fowls are fed largely upon waste materials.

EARLY HATCHING IS DESIRED

It will Increase Number and Size of Fowls and to Farmer It Means Much Larger Profits.

(Prepared by the United States Department of Agriculture.)

To the country at large early hatching by every chicken raiser means much. Early hatching will increase the number and size of fowls and the number of eggs produced next year. It will mean bigger birds and birds that will lay in the winter months. To the individual farmer it means more profit. He will get more chickens is a larger proportion will live; he will get more actual meat, not only because more will live but because his chickens will be larger; and he will get more eggs, when eggs are scarce for early hatched pullets will lay in the winter.

The recognized importance of food in the greatest war makes it seem that the hen must take her place among those who are helping to win it for the forces of democracy. This place will be an important one in proportion to the response this year to the call for increase chicken and egg production. The hen, of course, always has shown a willingness to do her duty, an doubtless she is willing now. All that is to be done is for her masters, the farmers of the nation and the city dwellers who are helping on a back yard scale, to make sure that the hens opportunity will not be neglected.

Lungs Are Weakened By Hard Colds
HILL'S CASCARA QUININE
The old family remedy—in tablet form—safe, sure, easy to take. No opiates—no unpleasant after effects. Cures colds in 24 hours—Grip in 3 days. Money back if it fails. Get the genuine box with Red Top and Mr. Hill's picture on it. 24 Tablets for 25c. At Any Drug Store.

Like All Men.
Hokus—"I like a girl who is reserved."
Pokus—"So do I, if she is reserved for me."—Life.

TREMENDOUS VALUE FOR 15c

The Pathfinder, Leading Weekly Magazine of Nation's Capital, Makes Remarkably Attractive Offer.

Washington, D. C., (Special)—People in every section of the country are hurrying to take advantage of the Pathfinder's wonderful offer to send that splendid illustrated review of the whole world thirteen weeks for 15 cents. It costs the editor a lot of money to do this, but he says it pays to invest in new friends, and that he will keep the offer open until the Pathfinder passes the 250,000 circulation mark, which will be in a few weeks. Fifteen cents mailed at once with your application to Pathfinder, 179 Douglas St., Washington, D. C., will keep the whole family informed, entertained, helped and inspired for the next three months.—Adv.

A merchant can get along without advertising and so can a wagon without grease—but it goes hard.

As we grow more sensible, we refuse drug cathartics and take instead Nature's herb cure, Garfield Tea. Adv.

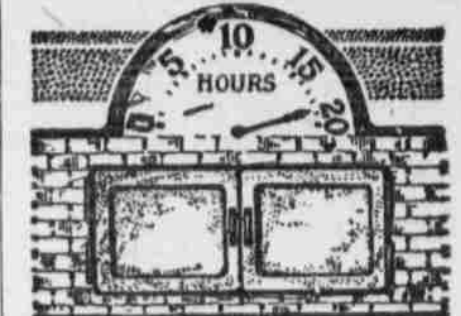
One seldom meets a strong-minded thinker who is capable of whistling a popular tune correctly.

Canada has handled \$1,000,000,000 in bullion for the Bank of England since the war began.

Easy.
Brown (who is engaging a parlor maid during his wife's absence)—And why did you leave your last place?
Comely Applicant—Well, it—it was for letting master kiss me, sir.
Brown—Ahem! You—h'm—may consider yourself engaged.

Not a Hero.
"A fellow came into my office this morning and persuaded me to give him a dollar. He said he had seen service on a British tank."
"That's interesting. Did he tell you about his experiences at the front?"
"No, and for a good reason. I discovered later that he had merely helped to paint the thing before it left the factory."

True to Tradition.
An English, Irish and Scottish soldier were returning to camp after a stroll. They were footsore and tired, and a kindly farmer on his way home from market gave them a lift on the road.
The soldiers were very grateful and wished to reward the farmer for his kindness.
Said the Englishman: "Let's stand him a drink!"
"Sure," said Pat, "that is agin the law. Let's give him some bacsy!"
"Hoot, ma laddies!" interjected the Scot. "Don't be extravagant. Let's shake hands with the mon and wish him good night."—Tit-Bits.



A Baked Cereal Food
Different from the usual run of toasted or steam-cooked cereals,
Grape-Nuts
is baked in giant ovens—baked for nearly twenty hours under accurate conditions of heat, so that the whole wheat and malted barley flours may develop their full, rich sweetness.
You don't need sugar on Grape-Nuts.
"There's a Reason"