

HENS NEED CARE IN COLD MONTHS

Precautions Which Guard Health
of Fowls and Increase Pro-
ductivity Urged.

VENTILATION IS ESSENTIAL

Chickens Can Stand Much Cold Air
Provided It Is Dry—Scratch
Grains Compel Hens to Take
Necessary Exercise.

(Prepared by the United States Department of Agriculture.)

If good results are to be obtained from the flock in winter the houses, which should have been put in good condition at the beginning of the winter, must be kept clean and well ventilated, and the proper kind of feed provided.

Guard Against Drafts.

Drafts should be avoided in the hen house, poultry specialists of the United States Department of Agriculture say. If hens are placed in a draft in winter, colds will develop, which may result in roup or other ailments. The south side, or front, of the poultry house may be left comparatively open, but should be under control, so the openings may be closed gradually as cold weather approaches. Have muslin curtains at the front openings of the house. One window should be left partly open in each pen, even on the coldest nights, to permit ventilation. Fowls can stand considerable cold air provided it is dry.

Feed the grain in a deep litter on the floor in the winter to compel the hens to exercise for all of their grain. The mash may be fed either wet or dry and should be so regulated that the fowls will get about equal parts of mash and scratch grains. It is necessary to give the fowls plenty to eat to obtain good results, but the birds should be eager for each feed. In cold weather feed about one-fourth of the



The Hen is One Pet That Brings in Dollars and Cents.

scratch grains in the morning and three-fourths at night.

A good scratch mixture may be made of three parts by weight of cracked corn, one part wheat and two parts oats; and a mash may be made of two parts cornmeal and one part each of wheat bran, wheat middlings and beef scrap. Green feed, such as cabbages, mangel wurzel beets, cut alfalfa or sprouted oats, should be provided to replace the green feed which the fowls have been obtaining in the fields; and beef scrap, skim milk, cut green bone, or similar feed is needed to replace the insects which the fowls have been getting on the range. Beef scrap or feed of this nature is essential in obtaining a good supply of eggs during the winter months.

MAKE WOODLAND PROFITABLE

Plan to Have It Permanently Productive by Protecting It From Fire and Overgrazing.

Make your woodland permanently profitable by protecting it from fire and from overgrazing; select for cutting only the mature, defective, overcrowded and inferior kinds of trees, leaving the straight, thrifty and better kinds to grow for a future crop.

INSECT DOES SMALL DAMAGE

Leaf-Roller Has Attracted Attention on Account of Its Attack on Many Vegetables.

A minute, green caterpillar, called the red-banded leaf-roller, has attracted attention through its attack on vegetable crops, particularly beans, sweet potatoes, asparagus and corn, as well as strawberries and other plants. The extent of the damage, however, which has been investigated by entomologists of the United States

SHIPPING CONTAINER IS QUITE IMPORTANT

Factors to Be Considered in
Selecting Receptacles.

Basket, Crate or Carton Should Be
Suited Especially to Produce to
Be Marketed—Desires of Customers Must Be Met.

(Prepared by the United States Department of Agriculture.)

One important requirement for marketing farm produce from producer direct to consumer is a proper and satisfactory shipping container, say marketing specialists of the United States Department of Agriculture. A container should be suited especially to the produce to be shipped and should be selected only after considering such factors as durability, size, appearance and cost.

Durability.—Much dissatisfaction with direct marketing has been caused by using containers which were not



Satisfactory Basket for Potatoes.

sufficiently strong. This is especially true when containers are used more than once. Shipping containers should be light in weight but sufficiently durable to carry the produce.

Size.—The size of a container depends upon the desires of the customers. Most persons wish to obtain small quantities of each product at a time. Containers should be just large enough for the produce shipped. If the carton is too large or too small, both the produce and the container are likely to be damaged, for the produce will not be kept in place and the container will be crushed. The larger the quantity of produce shipped in one parcel the lower will be the cost per pound for transportation and the lower the container cost per pound.

Appearance.—A container should present an attractive appearance, both on arrival and when opened, and should show the produce to advantage. Of course, new containers are more attractive than those which have been used; and only those second-hand containers which are clean should be used again.

Cost.—The cost of containers puts a distinct limitation on small shipments of farm produce. A shipment must have considerable value in order that the transportation charges and cost of container may not equal a large percentage of the price. The price which can be reasonably paid for a container will depend on the value of the contents, the cost of transportation, and the price received for the produce as compared with the price that could be received locally. A maximum price that should be paid cannot be stated, as each case must be decided by studying all of the factors involved.

Garden and Fruit Needed.

No farm is yielding the greatest return without some garden and fruit.

Department of Agriculture is not large, seldom being sufficient to warrant artificial control measures.

This caterpillar rolls a leaf shelter, the interior of which is rather difficult to reach with insecticides. Ordinarily, the rolled leaves can be clipped and burned, as they are easily detected. Arsenate of lead, two or three pounds to 50 gallons of water, is recommended as a foliage spray when the leaf-roller becomes abundant.

HIGH VALUE OF RED CLOVER

On Many Farms Crop Has a Place Because of Its Adaptability to Short Rotations.

Undoubtedly much land formerly in red clover is now growing alfalfa; but on many farms red clover has a place and is more valuable than alfalfa because of its adaptability to short rotations.

In growing tomatoes they should not be planted in soil containing disease or fungus.



SAVING THE SEEDLINGS

OUTSIDE above the ground it was beginning to be warm and sunny, but under the earth, where lived Mr. Mole, it was still chilly and dark.

Old Mrs. Earthworm was just beginning to stretch herself, for she was hungry, but thinking that it must be rather early for the young Seedlings to be in condition for her to enjoy she turned over to take another nap.

But the Seedlings were nearer ready than Mrs. Earthworm thought—already their little legs and arms were reaching out and above to get to the light and old Mr. Root, who had weathered many a summer and winter, was warning them to be careful.



"The first thing you know you awake your enemy, Mrs. Earthworm," he told them; "keep quiet and do not kick out with your little fibers or she will be upon you with her whole family and you never will see the light."

But the Seedlings were young; this was their first season and they did not know Mrs. Earthworm, nor did they fear anything, for, of course, they did not know as much as old Mr. Root, so they paid no attention to his warning.

If Mrs. Earthworm had not made her bed so close to that of the Seedlings it might not have happened, but she did, and by and by the Seedlings got so squirmy and reached out so far with their little fiber legs and arms that they tickled Mrs. Earthworm, and over she flopped.

"What was that?" she said, wiggling and stretching herself. "Well, if I haven't overslept; here it is time I was up and eating; come, come," she called to her family; "get up, the Seedlings are almost ready to go out and there you are all sleeping."

In a few minutes all of Mrs. Earthworm's family were nipping the legs and arms of the young Seedlings who now were really frightened and calling for help.

Old Mr. Root could not help them; there was only one who could and that was Mr. Mole and Mr. Root knew where he lived; it was not far from his home, and he managed to send

... a wireless message telling him of the poor Seedlings' troubles.

Mr. Mole jumped out of bed and ran through his tunnel, for he had known about the family of Mrs. Earthworm and intended to get them as soon as they awoke; but he, too, had overslept that morning.

In a few minutes he was on the scene and not many of the Earthworms escaped, for Mr. Mole is quick and sure and very fond of Earthworms.

When the last of their enemies had disappeared the Seedlings thanked Mr. Mole and told him that they never would have had a chance to see the light if he had not come to their rescue.

"That is all right," replied Mr. Mole; "it was no trouble at all, and any time you see one of those fellows just call on me."

"How did you know where to find him?" the Seedlings asked Mr. Root, for they knew he had sent the message that brought help to them.

Oh! I know all about his habits and he makes his fortress near me, so all I had to do was to send him word he was wanted," said Mr. Root; "you take my advice and don't let your legs and arms reach out so far; you are sure to tickle one of that Earthworm family and you see what happens when you do."

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HOW DO YOU SAY IT?

By C. N. LURIE

Common Errors in English and How to Avoid Them

'AGGRAVATED' AND 'PROVOKED'

"I WAS so aggravated that I almost became ill," said a woman to whom something vexatious had happened. She was guilty of an error of speech which is quite common, and which is condemned by all authorities on English. The word "aggravate" is derived from a Latin word meaning "to increase in weight," and in English usage should be employed only to mean "to increase in gravity or severity, to become worse." Therefore, it is correct to say that a disease or a misfortune may be aggravated, but not the person who has the disease or is subject to the misfortune.

But this is drifting somewhat from our subject. It is to be borne in mind that "aggravated" does not mean and should never be used in the sense of "angry," "vexed," "exasperated," "irritated," etc. In the sentence with which this article began any of these four words, or a word of similar meaning, should be substituted for "aggravated."

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"What's in a Name?"

By MILDRED MARSHALL

Facts about your name; its history; meaning; whence it was derived; significance; your lucky day and lucky jewel.

DOROTHY

ONE of the quaintest and most whimsical of origins is that from which Dorothy sprang. Theos and Zeus, father of the gods, were identical terms in ancient Greece. From Theos came many masculine names and one feminine, Theodora, which signified "gift of God" or "living gift." Curious enough, the reversal of the name or Dorothea was speedily accomplished and, though absolutely incorrect, gained more prevalence in the Western world than Theodora has ever achieved.

The beautiful legend of St. Dorothea helped to give her name widespread fame. It is the story of the Cappadocian maiden who sent the roses of Paradise by angelic hands as testimony of the joy she was reaping. Dorothea became a patron saint in Germany and England straightway adopted her name because of Massinger's powerful drama. Dorothy was the next step in her evolution and Dolly became a popular diminutive. Indeed, so common was it in usage that it became the generic term for wooden children or puppets in the time of Elizabeth Stuart, and hence our own "dolly," or doll, beloved of the small girl.

Dorothy became a Puritan name at the height of the reign of the house of Hanover, and was used by Mrs. Dorothy Cromwell and other Roundhead daughters. France called her Dorothee, while Germany preferred the original Dorothea, and Italy omitted the aspirate and made her Dorotea. England and America favor Dorothy, with its fluffy diminutive Dolly. Russia, by some mysterious translation, claiming that the patroness of Darlja was an Athenian lady martyred with

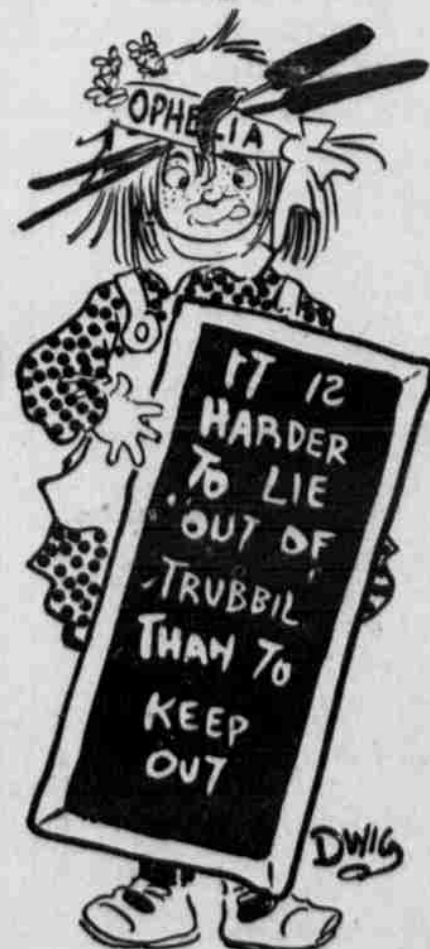
her husband Chrysanthus at Rome and buried in a catacomb which was opened in the reign of Constantine the Great. The modern Greek rendition of the name is Thorothea.

Dorothy's talismanic gem is the diamond. It is said to afford her protection from evil and bring her great happiness. As the old legend goes:

"The Evil Eye shall have no power to harm Him that shall wear a diamond as a charm."

Saturday is her lucky day and 2 her lucky number, while the flower assigned to her is the daisy, signifying innocence.

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MAE GIRACI



Of all the kiddies who are playing before the camera little ten-year-old Mae Giraci is believed to be one of the most fortunate, for this screen lass is "doubling" for Priscilla Dean in a characterization that shows Miss Dean as she looked at the age of ten. Little Mae started work in the "movies" at the age of six. She was born in Los Angeles and is of Italian parentage.



WELL, I been deesa place longa time now and I gotta pienta deegust for lasta me twenty-dva year. For longa time I wanta see deesa Washtown, United S. A., but now I no wanta see any more. So I feegure I leava town nexa week and no come back.

But I wanta tella you somating. Een deesa place ees too moocha job and no moocha work. Everybody gotta posish but no ambish. I meeta pienta people and aska where he work. Mosta da bunch tella me he worka for Uncle Sam. And only ting gotta do here for holda some da job ees seet down and waita for da payday.

Uncle Sam gotta greata beega family but he gotta wronga idee. One my frien gotta beega family, too. But when some hees keed getta beeg he go out and maka da leeving. But Uncle Sam gotta pienta keed wot seem lika never getta beeg. Da Uncle he gotta keepa dat bunch so longa he leev. Eef he no maka some go to work preety quweck mebbe he ees broke before ees olda man.

You know wot's matter here ees too moocha seet down and no moocha work. Eef deesa bunch could maka da egg every time he lay round lika de cheecken we could buy da eggs feefateen cents a dozen.

And eef all da sweevel chair een dees town gotta broke sama time Uncle Sam losa da whola family. Wot you tink?

Compass at South Pole.

At the South magnetic pole, which is a long way from the geographical South pole, a compass needle suspended so as to swing in a vertical plane, dips until it reaches a vertical position with the south end downward. An ordinary compass needle suspended so as to swing horizontally only becomes sluggish near the poles, the magnetic force of the earth tending to pull one end of the needle down, instead of making the needle swing.

A LINE O' CHEER

By John Kendrick Banks.

MOTHERHOOD.

IF ALL the world were void of good I'd still be full of gratitude for Motherhood—The loving eye, the smiling lips, The touch of tender finger-tips, The sacrifice of self that we The Sons of Earth may stronger be, The constant care, the constant thought For helplessness in trial caught—While Motherhood remains the ring Of Joy shall thrill the songs I sing (Copyright.)