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THE ASHEVILLE GAZETTE NEWS

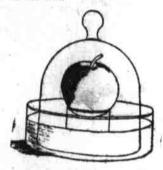
Saturday, November 11, 1917,



THE "BREATHING" OF APPLES AFTER THEY ARE PICKED BEARS AN IMPORTANT RELATION TO THEIR KEEPING QUALITIES. By F. W. Morse, New Hampshire.

The respiration of animals is a well | will rise in the jar to fill the space known action and the necessity for it made vacant by the removal of the in the living creature is fully appre-clated. oxygen. Finally the water will fill about one-fifth of the air space orig-

The fact that plants and parts of imally present and remain stationary, because the oxygen is all used. plants must also breathe is not so commonly understood. Yet all living cells, whether a part of animal matter in plants, causes a destruction of matcells, whether a part of animal matter or vegetable matter, must have oxygen



The chief products of respiration are the same in plants as in animals, as soon as possible and kept cold. The namely carbon dioxide (commonly)

hours a dewy film will cover the bill surface of the jar, that in time will respiration is important. It is not collect into drops which will trickle to the bottom. On opening the jar, a little clear lime-water may be poured definitely with be cannot be kept ininto it without touching the fruit, and definitely, but keep about twice as long in cold storage as in a cool cellar. the lime-water will be seen to turn milky, just as it will if an animal's breath is forced through it.

If the farm as a whole doesn't pay, make some part of it a garden spot, The taking up of oxygen from the air can also be readily shown by the for gardens always pay. following interesting experiment.

Much of the cry "back to the farm" In a large basin partially filled with comes from a class of writers who water set a small support on which work in skyscrapers, live in flats and is placed an apple and a small open who would not exchange these hidedish containing a solution of caustic ous tortures of modern civilization soda or potash. The apple should not for the best farm in the land. the water nor the caustic solu-

Autumn is not the best time to tion. Cover the support and its contents by a large bell glass or wide jar prune fruit trees. Wait until March with its mouth wholly in the water. or June. Now as the apple breathes in the oxy-

It is said that cherries cannot be gen of the air, and breathes out carbonic acid, the latter will be absorbed grown profitably at any great distance by the caustic solution while water from large bodies of water.

DEVICE FOR SHOCKING CORN

Some horses are naturally addicted

ome extent with careful driving with a tight rein and the moderately high

checking, but a born stumbler is a hard case to deal with. Many horses are made to stumble by wrong shoeing. If shod heavily in front and light behind they are almost

certain to acquire the habit. Weak joints or imperfectly formed

ter in the cells much like the destruc-tion of wood in a stove, and the rate Some colts are born with marked or vegetable matter, must have oxygen to keep them alive and they give up carbon dioxide and water as a result of the action of the oxygen on some be measured by determining the amount of carbonic acid that is carbon dioxide and water as a some of the action of the oxygen on some amount of carbonic acid that is three years that have never been when cut off from the main stem do when cut off from the main stem do Fruit, after having been picked from Such an animal can never be cured the tree is in the condition of a stary- of this stumbling habit.

breathe. This is true, whether the true true is in the condition of a stary-severed part is a leafy branch, a fruit or a root; but some parts live much longer after removal than others, food to make good the losses produced longer after removal than others.

uous loss in weight as the weeks go by, although the fruit is sound and firm. Respiration is partly a chemical re-action and in apples, like most chemical reactions in the laboratory, it by a woman who allowed the reins that this claim is based mainly on grows more rapid as the fruit becomes to dangle loosely in her hands, fall prejudice, for the Tamworth in Canada warmer, and is slowed down when the fruit becomes on the lake shore drive in Chicago. has proven itself to be an excellent fruit is cooled.

It is frequently the case that warm before he finally felt. He overturned days with temperatures of 70 degrees the carriage in his struggles and when occur late in the Fall, and sometimes he was assisted to his feet it was found that both knees were broken continue for a considerable period. Fancy apples intended for long keep, and he was rendered useless for life. ing in cold storage should be cooled

breathing process is at the expense of namely carbon dioxide (commonly called carbonic acid) and water. These products can be easily shown by plac-ing one or more apples in a glass jur and covering it tightly. In a few hours a dewy film will cover the inner surface of the jar, that in time will be call contents and must weaken the this destructive action is from four to as inside it. Another fact in connection with the surface of the jar, that in time will be called carbonic acid) and water. These keeping qualities as it goes on. And this destructive action is from four to as inside it. Another fact in connection with the comment is incomposited in a plane in a substance in a subs ing plenty of humus in the soil, and and with finer bone, say the Berkshire, to by every possible means protect lings, that it is best and most economically it makes an excellent bacon-hog. It themselves against loss.--F. M. Web-

The poultryman who makes a cess of the business is usually the one

to stumbling, others acquire the fault who selects one breed and sticks to it attack are so obscure and covert that and still others have it thrust upon year in and year out striving each they are not usually discovered at all them by the carelessness or ignorance year to bring them a little nearer by the ordinary farmer, who simply of the owners. The horse that stumbles when a colt is almost incurrable. His manhis crops have not done well and the



The Tamworth hog is not as popular

This breed is especially well adapted ulous. to bacon, because of its light shoulder,

meat than many other breeds.

There are insects whose methods

other kinds of hay. It is not first class in quality, but will grow on land where other kinds will not succeed. THE TAMWORTH FOR BACON THE CARMON A CONSTRUCT ON THE CONSTRUCT

His timothy meadow has died out. Neek is long and thin, with finely while due to the short why it should have found the short winged form of the chinch bug present there in myriads. But hese are not con- young and are easy to raise. What

good horseman will ever take chances of allowing his horse to fall down by driving with a slovenly rein. Stumbling often causes bad accid-ents, not only to the horse, but to the Stumbling of the prese, but to the Stumbling of the prese the study to the Stumbling of the prese the study to the prese the study to the Stumbling of the prese the study to the pr

areas of country. Here we have a financial loss, fai-ling upon a single industry nearly of a Plymouth Rock hen. three times as great as that caused by fire, and to ask if such a factor duck's eggs that we have ever eaten,

should be reckoned upon and care-fully considered by those engaged in in the market. The ducklings reach a marketable size when about 12 weeks old. When that industry appears almost ridio-It would seem to go without saying forced, they will weigh 4 to 5 pounds

its length of side and a tendency to that such elements should not only at two months. produce a greater portion of lean receive most careful consideration, The meat of the Runner is of subut, every effort should be made by perfor quality; fine in the grain, julcy, When the Tamworth is crossed on farmers to familiarize themselves and excellent flavor. Hotels and res-Remember the importance of hay- breeds of more fattening tendencies, without the minutest details in order taurants pay fancy prices for duck- toward keeping the egg-basket filled

A purplish red comb indicates bad health in a fowl.

> Duck culture, in the past, has been more or less neglected, owing to the general bellef that ducks cannot be successfully raised without a stream or pend of water. The fact is, how-

ever, that the Indian Runner required only sufficient water to drink. They are small facdate as compared with other ducks. One Pekin will con-sume as much feed as two Runners,

and then not be satisfied. Unlike the former, they are great foragers. In summer the Indian Runner when given free range will find the greater part of his living in the fields. But of course whan being fattened for mar-

GROWING SUNFLOWERS

nized that success lies not so much with any one breed as with the man-ner of handling the breed chosen. On the other hand, the breed chosen should be the one best suited to your particular needs. Redtop is an excellent grass to sow on low lands where it is too wet for other kinds of hay. It is not first class in guality, but will srow on land at the tips, precisely as it the is and not well filed out class in guality, but will srow on land at the tips, precisely as it his land

THOUGHT TO BE THE MOST PROFITABLE

OF ALL THE DUCK FAMILY.

By Anna Galigher, Ohio.



Indian Runner drake and duck

over winter and see what they will do when biddy is on a strike.

The eggs are in good demand, also. In winter when eggs are high the In-dian Runner is "on the job". Any the ducks are expected to furnish eggs enterprising person can work up a next spring for hatching purposes, now trade among hotels and restaurants is the time to procure drakes from that should prove highly profitable. some other flock

competition, as comparatively few poultry raisers have taken up this branch of the industry notwithstand-ing the fact that nearly all kinds of poultry products are bringing un-heard-of prices in the open mached

men's bring almost any price asked,

Fresh error, poultry, fruit and ver-etables form a dist that all physicians recommend. More chickens and eggs and less red meat should grace the tables of the American epicures.

Have regular hours for feeding your

THIS RACK SAVES MUSCLE

"When corn is to be shocked in the field, it should be thoroughly ripe be-fore being cut, as too early cutting affects both the yield and the quality



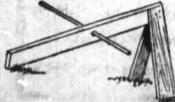
CARE OF THE FARM FLOCK

THE FALL WEB-WORM

In the Fall the unsightly webs of

affects both the yield and the quality of the grain.
The shuck on the area shuid be revided for hand the weak big the corn, which may be conditions that the the set of the state is preferable, were the get with a should put their evere the grain producing too rapidly.
The same abouid put their evere the get with a should put their evere the get with a should put their evere the grain producing too rapidly.
The same abouid put their evere the grain producing too rapidly.
The same abouid put their evere the grain producing too rapidly.
The same abouid put their evere the grain produce a should be barreed as should be barreed as should be barreed as should be corn in a should be the set with a should

the iron rod, four or five or six bundles



When they recover their normal feed a dry ration once a day, thus condition, gradually increase their getting the ewes gradually accustom-

rations until they begin to gain in ed to the dry ration before they are fiesh. The ewes that have suckled placed in winter quarters. This provtheir lumbs well are certain to be ides against deranging the even diges-reduced in firsh and should be put in more vigorous condition before of the sudden change in faed. mating.

Many successful men find that their Many flock owners make a serious ewes take op better flesh and hold mistake by disposing of the ewes that their condition during the mating perinstake by disposing of the ewes that are in a run-down condition at wear-ing time. The way to judge the value of a breeding ewe is to examine culent feeds. While good pasture and the quality of the lamb. In nine forage crops will cause ewes to take cause out of ten the very best lambs on flesh rapidly, they are not sufficient belong to the ewes that are run down for ewes that are run down in flesh

being placed in each of these corners with the butts set well out at the "Care should be taken to in flesh condition in the fail. bottom. avoid setting the bundles too straight and vitality.

DO ANIMALS THINK?

and to see that the corn is evenly distributed throughout the shock.

<text><text><text><text><text><text><text><text><text><text><text>



great relish and many sheep owners

fiocks. Feed has grown to be so high priced

they are given their roughage ration they invariably become somewhat dainty on to what they est, picking out but the very best of the roughage and rejecting all the rest. When this habit is once formed stock will often go hithery rather than cat what has been picked over and which really is very good feed. There-fore, one must contenting its feed-ing in such memory as to empire

oil. This oil is sometimes used for the L lie and also for candle making. hirds which fall upon them in great oil. Manufacturers of poultry and stock

It is not easy to harvest the sunfeeds are the buyers. flower as they shatter so easily

WASTEFUL FEEDING.

DUMPING HENS' NESTS SAVES TIME.

that wanting it seems like squandering A good way to huild hens' nests is have the bottom attached with sold; yot the cardens feeder wastes an enormous amount of feed every winter when a little watchfulness and sound

thinges and fastened at the front with vine growers in France are able to small hooks and staple". When the market fresh outdoor grapes all nests are to be cleaned, the bottom through the winter is thus described. can be dropped and all the contents Hunches of the finest grapes when ripe Sudgement would may it. When stock are fed a tempting gmilh feed before or at the same time they are given their roughage ration

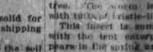


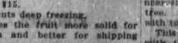
such the water, but are thus supply with incluture through the vice at which is immersed in water. By

GRAPES FRESH ALL WINTER.

A clever French process by

Mare they 5,000,000 ac otatoes were planted in the Un lates this year. This is show





MULCH SMALL FRUIT VINES.