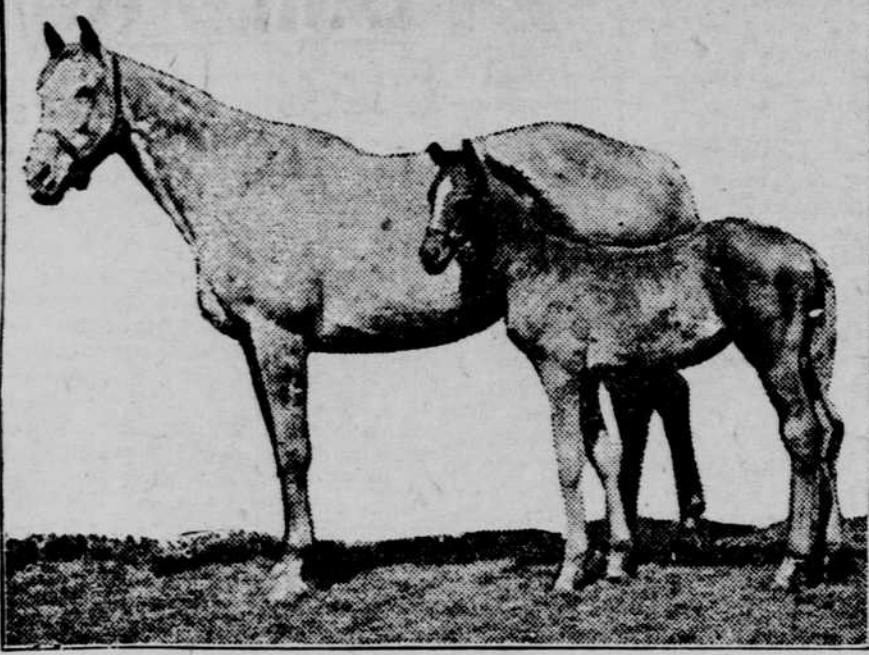


DEVELOPING AND FEEDING YOUNG HORSES



Excellent Type of Mare and Colt.

(By DR. C. W. McCAMPBELL, Assistant Professor of Animal Husbandry, Kansas Agricultural College.)

In feeding and caring for the growing horse, the aim and purpose should be to secure the greatest possible physical development at the least possible cost.

This is a mistaken idea for the stunted colt will never fully recover. In developing and feeding young, growing horses one should remember that the feed and care they receive during the first year or year and a half of their lives determine largely what they will be at maturity.

The young, growing horse must be fed the proper kinds of feed and must be fed liberally. The mineral content of the ration, as well as the protein, the carbohydrates, and the fat, must be carefully considered.

Experience has shown that colts make a better growth on a ration of corn and alfalfa hay than on corn and timothy or prairie hay.

It so happens that most of the feeds that contain large amounts of mineral matter—alfalfa hay, bran, and linseed



Champion Hackney Horse.

meal—also contain large amounts of digestible protein, the muscle-forming element, so that it is evident that these feeds should enter largely into a ration to be fed the young, growing horse during that part of the year when grass is not available.

PROPERLY STORING WINTER SQUASHES

One of Most Valuable Vegetables Will Keep Until Spring—Put in Dry Cellar.

(By E. P. SANDSTEN, Colorado Experiment Station.) Squash is one of the most valuable winter vegetables and when fully ripe and properly stored will keep until spring.

Only well-ripened squashes should be stored and these should be gathered before frost, as a frost of average severity will impair their keeping qualities.

The furnace-room is the best storage, but any dry place having a temperature of 55 to 75 degrees is good. Racks or shelves should be provided so that the squashes will not be over two inches thick.

Supply Plant Food. In the production of a crop quality is to be considered. If a plant food element is needed to improve the quality of grain, it should be supplied.

New Corn is Risky. It is risky to feed much new corn. Overfeeding on new corn is as bad for chickens as it is for pigs.

Unavailable Plant Food. Plant food in the soil that is unavailable is just the same as if it were not there. Plant food in large clods and unpulverized soil will not do much towards feeding the plant.

Separator Cream is Best. Separator cream makes better butter than cream by other methods, because it is clean.

Selection of Ram. Use great care in selecting the ram to breed the flock.

tion of feeds to be used depends somewhat upon the feeds available and their cost in any particular locality. The best results in developing young, growing horses will come, however, only from those combinations which are rich in mineral matter and protein.

Linseed meal, while not absolutely necessary when bran and alfalfa hay are used, gives the coat a glossy appearance, indicating thrift and good condition, and also seems to stimulate and assist digestion and assimilation.

When jelly, made of fruit juice and sugar, will not jelly, it sometimes needs less sugar, rather than more—that is to say, there is so much sugar that a thick sirup instead of a jelly results, and so more fruit juice must be added to bring the right results.

Another bubble to prick—it is not necessary to have cold oil and eggs, bowls and spoon for making mayonnaise. What is necessary is uniformity of temperature.

Fruit Salad. This delicious and ever welcome dish is made by slicing or cutting into dice various kinds of fruits, fresh or preserved, such as peaches, apricots, bananas, pineapple, orange etc.

Work of Small Creatures. It has been learned quite recently that the work of the earthworms is completed, not only by bacteria, fungi and algae, but also by countless minute animal organisms.

Baked Custard. Four cupfuls scalded milk, six eggs, one-half cupful sugar, one-fourth cupful salt, few gratings of nutmeg.

Mending Curtains. Try this method of mending lace curtains: After washing carefully, place curtain on frame. Take a needle and use thread according to curtain.

Rice Chicken Pie. Good until tender one chicken or a goat fowl, barely covering with water; remove and boil two cupfuls of rice in the same water; salt white boiling; put the rice into a dish and stir in one teaspoonful of butter.

Cauliflower Salad. Trim and boil one firm head of fresh cauliflower in fair water until tender, but do not allow it to boil soft.

Cull the Poultry Flock. Do not neglect to cull out and sell all of your small specimens and the ones that do not show some good signs to produce some good stock.

Success With Poultry. Rational management of the poultry industry will insure success, and mismanagement will ruin and render it unprofitable.

New Runs for Ducks. Provide new runs for the ducks, and sow the old runs to rye. This will keep on growing during the fall and winter.

Be Careful of Wheat Seed. Be careful of your wheat seed this fall. If there is any smut at all in it, treat it before sowing. Our land and labor cost too much money to be used to produce smut.

Get Rid of Insects. Fall plowing, with some hens following the plow, is a good way to get rid of many hibernating insects.

Place for Churning. Churn in a clean, cool place, where there are no bad odors.

Green Corn Balls. Grate enough corn from the cobs to make two cupfuls; into this stir a beaten egg, a teaspoonful each of butter, melted butter, with salt to taste.

CLING TO OLD IDEAS

HOUSEWIVES SLOW TO ABANDON ANTIQUATED METHODS.

But There Are Many New Ways of Cooking That Are Superior to Those That Have Been Long in Use—Here Are a Few.

Most of us believe what we are told. If you tell a child a lie, it will believe it as readily as the truth very often. If you tell anybody that a tin pan on an asbestos mat is very hot, he will believe you, very probably, and be careful not to touch the pan, although it may be cold.

So it is that we beat eggs with a fork, laboriously, when we wish to have them especially light. We have learned to believe, because we have been told so, that eggs beaten with a fork are lighter than eggs beaten with a Dover egg beater.

Another thing we have believed for years is that gelatin, if boiled, would not jelly. It will. Boiling does not seem to affect it—again, according to careful experimentation.

When jelly, made of fruit juice and sugar, will not jelly, it sometimes needs less sugar, rather than more—that is to say, there is so much sugar that a thick sirup instead of a jelly results, and so more fruit juice must be added to bring the right results.

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GUARD THE VATICAN

Italian Government Watching Over Its Safety.

Person of the Pope and the Pontifical Property Being Given Full Measure of Protection, According to Report.

A Roman writer says while startling stories of how the pope is about to flee to Spain for safety continue to blossom on the journalistic tree with regularity, it is interesting to know what is really going on to protect the head of the historic church.

That the Vatican is protected by Remington and Wetterly arms gives quite a modern touch to the picturesque pile. The protection offered and given by the Italian government is interesting to analyze on account of the relations between church and state.

As to the internal security the Italian police could take no steps, as the Vatican is considered a "foreign state." The Italian government be sought the pope to accept, if it so pleased him, whatever armed forces he saw fit for the pontifical property.

Benedict XV, always practical, declined the offer of men, being undesirable of increasing the number of Vatican armed guards, especially since he had military service to perform or who wished to go as volunteers to file at once beneath the banner of the Patria.

The government, knowing how the apostolic palaces are infested with Austrian spies, who as visitors to the great museums and galleries as alleged students of the libraries, have ears and eyes open, suggested an army of plain-clothes men.

The Vatican, however, so far has not accepted the government's offer of police, though there is every reason to believe arms and ammunition have been introduced into the Vatican through the government. The armed Vatican corps are indeed manned with Remingtons. These arms being heavy, the Swiss guards are being trained in the use of Wetterlys, the heavier arms being given to the outside guards.

In Piazza St. Peter and in the old Borgo there are two barracks in which are stationed great contingents of territorial militia and carabinieri who are in constant contact with detectives in uniform and in plain clothes, who in turn are stationed at the famous bronze doors in the Via della Fontana along the outside wall of the Basilica Saint Peter.

Protection of the Vatican meteorologi-

cal observatory, which is in the garden, has been augmented by the presence of a number of civil functionaries who assist the Jesuits. In the observatory an electrical reflector has been placed with which it is possible to search the now dangerous depths of the sky.

The observatory is in direct telephonic communication with the Vatican. It was thought at first a good idea to place an observation station upon the cupola of St. Peter's as was done in 1870, but this idea was abandoned.

A most scrupulous guard has been placed about the palaces of the Dataria and the Cancelleria and the Propaganda of the Faith beneath the Quirinal.

It is believed the treasure of the propoganda may have been transported to the subterranean vaults of the Vatican or elsewhere.

At night the apostolic palaces are wrapped in darkness, as is wise in a city within the war zone, for the church has learned its lessons from Reims and its other despoiled religious houses.

It is clear how vigilant an eye the government keeps on the Vatican and how careful is its protection.

For a really fine coffee at a moderate price, drink Denison's Seminole Brand, 35c the lb., in sealed cans. Only one merchant in each town sells Seminole. If your grocer isn't the one, write the Denison Coffee Co., Chicago, for a souvenir and the name of your Seminole dealer.

Buy the 3 lb. Canister Can for \$1.00. Adv. Agreed. Sadie—Say, honest now, do you like Maggie? Pauline—Well, she's got a good heart an' she means well, but—Sadie—Neither do I.—Puck.

There is a tax of 40 guineas in England on motor cars of over 60 horse power. A textile made in China from raw silk can be buried in the earth a year without deteriorating. And lots of people who think they have nothing but trouble don't know what trouble really is.

A seismograph invented by a Japanese scientist registers the velocity of all earthquakes two hundredfold. It is difficult to convince the head of the house that two heads are better than one.

The Spiritual Life.

"Spiritual music can only come from discords set in unison," said Carlyle. It would be worth the time and space of a whole sermon to dilate upon that wonderful truth. Good comes not from an easy, languishing life, where virtue meets no opposition and where courage encounters no defiance. All discords are created by divine love to make spiritual music out of. Those who do not meet with such discords will not hear such music. Such experience is left for sacrifice to turn into harmony. Do you meet a friend who may seem to turn against you, don't leave him till the harmony is restored, not by appeal or instruction, but by the union of your own life. This may seem sentiment, but remember the spiritual life is as harsh and exacting as the material life. These are days that need so much of this fine philosophy, not to say religion, that there is a sweeping tendency toward the dalliance of and therefore never hear any spiritual music.—Ohio State Journal.

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