

## Efficient Farming

**THE CARE OF HORSES' TEETH.**

When a horse is thin, hidebound and "hard to keep," no matter how well fed, think of teeth troubles first of all. Of course, worms may be the cause, and sometimes after a severe spell of sickness, such as distemper or influenza, or even colic, the animal may remain thin and in a thrifty condition.

Many stock owners think you horses have nothing wrong with their teeth. This is a great mistake, as more trouble is found in animals between four and seven years than at any other age. If a horse at this period of life is given a good examination by a competent veterinarian, often nothing more is needed for some years.

There are three common dental regularities: 1. Very sharp points found on the inside of the lower teeth, which may cause ulcers on the tongue and those on the outside edges of the upper grinders, which cut into the cheek-gums.

Second, milk teeth, which may interfere with the normal position of the permanent ones. On the back teeth, these are known as caps and often wedge in between two grinders.

Third, wolf teeth, which are small, unshed, sharp teeth, usually found just in front of the first upper grinder. Sometimes a wolf tooth is only as big as a grain of rice, and at other times may be as large as a person's front tooth, with a longer root.

In addition to these, we find long teeth, caused by the tooth in opposition wearing down faster than others, which permits an uninterupted growth of the other grinder. It is not unusual to find a tooth of kid sticking up over an inch above its mates. This, in turn, wears a hole in the tooth it grinds against, and we have an ulcerated condition in the whole jaw.

When you suspect anything wrong in a horse's mouth, you'd do a great deal by using a light. First of all, be very

with the animal, and then grasp the tongue out with the left hand. Pull the tongue out to the left side of the face and insert the flashlight in the right side of the jaw, just in front of the grinders and back of the tusks, if the animal is a horse—males usually do not have these canine teeth or tusks.

You can now examine the right side of the mouth very easily. As stated, look at the inside corners of the lower grinders and the outside edges of the upper molars. If they look as jagged as the Rocky Mountains, your animal has sharp points.

If an extra little tooth snuggles up in front of the first upper molar, it is a wolf tooth. Then shift the tongue to the right side and insert the flashlight in the left side of the face, and examine the left back teeth. Then, look at the front teeth, taking care not to overlap any small, unused milk teeth.

A horse has forty teeth, or forty-two with wolf teeth. There are six lower molars, six upper molars, twelve lower incisors and twelve upper grinders with four canines or tusks. There are thirty-six, the four canines being absent.

Wolf teeth are common to both sexes; they usually come in pairs. A colt has twenty-four milk teeth. It has the same number of molars or front teeth as a full-grown horse, but only half the number of molars—six above and six below, or three in each arch.

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## —AND THE WORST IS YET TO COME



### Caring for the Defective Child

By Hilda Richmond

The idea of caring for the defective child outside the home is of recent origin. The old idea that the mother should give to it her whole life in loving and sympathetic care is so deeply rooted in the human mind that grave mistakes have been made dealing with children who are born, or following an illness or accident, not normal, and can not be treated in the home as healthy, noisy, but sane boys and girls are treated.

In every county there are children who are deaf and dumb, as well as

those who are hopelessly feeble-minded, blind, crippled or otherwise defective, and the problem of caring for them affects not only the home in which such children are found but the community at large. The parents of a defective child should not stone-stun turned to see that the child get a proper examination and the opinion of a competent physician as to whether or not the case can afford the expense of an examination on the local doctor or some specialist connected with a hospital in a nearby city. Neither

such pride nor the desire to conceal from taking advantage of such help. Often it has been found that some operation or treatment will remedy a defect, and surely every child has a right to a fair chance from the very first moment of life.

If it is found that the defect is incurable, and the child must remain blind or deaf or crippled for life, should efforts be made to help the victim? Certainly not, but the parents who anguish over a little one, the child should be easily placed in a state or private institution for training and discipline.

**HUMOROUS TRANSPORTATION CHILD.** —  
The average home is not the best place in which to train and instruct the unfortunate child; for while the parents may be able to pay for trained help, the tendency to spoil the child is too great. The mother who through mistake kindness makes a despot-tyrant of the unfortunate little one is not only spoiling to the whining for later years, but is shutting out all possibility of the child's happiness, possible to such children through wise discipline and careful training.

A man who took his deaf and dumb daughter to an institution only after his wife had broken was amazed a few months later to find the bright little girl transformed into a healthy, intelligent, happy being, and he had hard work persuading her to return to the home and to the community to say, "good-bye" as she returned to him. That girl grew up to be a fine housekeeper, a good scholar, a happy intelligent virgin, able to speak after a long course in lip reading, and as nearly as possible to a normal life as her mother would have been a burden to herself and her family all her life.

It is not kind but cruelty to deprive such children of training, discipline and careful training.

The future of the defective must also be considered. Who will take the child when the mother wears herself out caring for him? Will it be possible to put him in an institution where he would be a burden to the community? All these and many more considerations must enter into the decision of the defective child, and merely sympathy and love and tenderness toward the helpless.

Since no family circle can declare itself absolutely free from the condition that such a child may be born into the home, or that illness may result in defect, it is the duty of all good citizens to help make our public institutions for unfortunate cases as comfortable as possible. They may be installed backward or forward, like Jerusalem, Edith and other cities, but the opposite to what they should be. In which case the connecting rod will be bent and great pressure placed upon the bearings, so that they will break under load.

The great increase in the consumption of ice cream and the development of the ice cream manufacturing business, various schemes have been evolved to take care of the demand in a way profitable to those manufacturing selling this food. In making examination of various samples of gelatin sent to the Bacteriology Department of the Ontario Agricultural College, some samples were found to have a bacterial content as high as 950,000 per gram. While grade gelatin is used in its preparation.

**Gelatin and Bacteria.** —  
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**Refitting Connecting Rods.** —  
In some automobile engines the connecting rods are offset to the centre of the bearing and in refitting them great care should be observed that the offset is on the right side. Otherwise the bearing will be installed backward or forward, like Jerusalem, Edith and other cities. In which case the connecting rod will be bent and great pressure placed upon the bearings, so that they will break under load.

The great care should be taken that they are not bent too much, so that they will not break under load. This may happen after a long time, as the oil becomes thin and that they will hold

## The Sunday School Lesson

JUNE 15

**The Return and the Rebuilding of the Temple, Ezra, chs. 1, 3 to 6. Golden Text.—Comfort ye, comfort ye my people, saith your God.—Isaiah 40: 1.**

Fifty years passed and some of the exiles came back again. It was a long and wearisome journey from Babylon, northward and westward, and southward again, nearly thousand miles about, to the homeland. As far as the eye could see, the land was desolate and for the sick it must have been an impossible journey. They and those who cared for them, the members of their families who had remained in Babylon, established there, or who had become attached to that country and its ways, chose to remain or postponed their return. And so it was that Jewish communities became permanent in Babylon.

The Babylonian empire fell before the Persian conquest. Cyrus, and Babylon was a part of his kingdom in 538. Cyrus had the rights both of a soldier and a statesman. From his original principality of Asurbanipal, he extended his empire to Asia Minor, in attracting unusual attention and favorable comment. While it is regarded as important for the prosperity of the Canadian orchard that we have a good export trade, it would seem inconsistent for our people to continue to import fruit of the kinds that are available at home. Everyone, it is true, is not a lover of apples eaten out of the hand, but there are few who do not relish cooked fruits prepared and served according to the best practices. With a view to securing a greater home consumption of Canadian apples, which is understood to have a salutary effect upon the health, the Department of Agriculture at Ottawa has issued in Bulletin No. 35 a series of recipes for their use in various ways. The bulletin, available at the Publications Branch, names the apples that are specially good for cooking, for dessert. Apples are also classified according to the season in which they are best for use.

**Apple Recipes.** —  
The charge is sometimes made that the Canadian people do not fully appreciate the excellence of their own fruit. In competition with other countries in the markets of the world, the Canadian apple stands high. Indeed, the Canadian exhibit of fruit, at the Imperial exhibition recently opened in London, is attracting unusual attention and favorable comment. While it is regarded as important for the prosperity of the Canadian orchard that we have a good export trade, it would seem inconsistent for our people to continue to import fruit of the kinds that are available at home. Everyone, it is true, is not a lover of apples eaten out of the hand, but there are few who do not relish cooked fruits prepared and served according to the best practices. With a view to securing a greater home consumption of Canadian apples, which is understood to have a salutary effect upon the health, the Department of Agriculture at Ottawa has issued in Bulletin No. 35 a series of recipes for their use in various ways. The bulletin, available at the Publications Branch, names the apples that are specially good for cooking, for dessert. Apples are also classified according to the season in which they are best for use.

**Closing a Large Pipe With Air.** —  
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