

CONSTITUTION IN DAIRY CATTLE

The dairy cow is a highly developed and very delicately organized machine. She is a factory into which the dairyman puts his raw products...

Professor Haacker in speaking on this point once said: "An animal deep in brisket, with broad shoulders and forelegs far apart, has no more stamina or endurance than one with a narrow, sharp shoulder and ewe neck..."

"We thoroughly agree with Professor Haacker in the above estimate. How often we hear men say that a deep-brisket and much width between the forelegs indicates great lung and heart power, when indeed it does nothing of the kind..."

"Compare the build of the race horse between the forelegs with that of the draft horse. Yet will any man claim that the race horse is deficient in lung and heart power..."

"The best and truest indication of constitution in man and animals is the construction of the walls of the abdomen. A large, strong frame with a weak belly will not endure..."

"A more intelligent appreciation of the adaptation of the horse to the duties required of it seems to be developing. The tendency to grow large horses exclusively, and without any reference to the sort of work they are to do, or the conditions under which they are expected to work..."

"Many observing farmers are now asserting that a good horse weighing around 1,200 lbs. is a better horse for the farm than the heavier ones now so generally used for farm work..."

"The farmer who would buy and maintain a ten-horse power engine to do the work of one of half that power would be regarded foolishly extravagant; why, then, should he be regarded less so if he insisted upon owning and maintaining horses of greater power than his work and conditions require..."

"Slugs may be fed with advantage to beef cattle, in moderate quantities, up to about forty pounds a day. The health of the animals and the quality of the beef produced on moderate slug feeding, leave nothing to be wished for..."

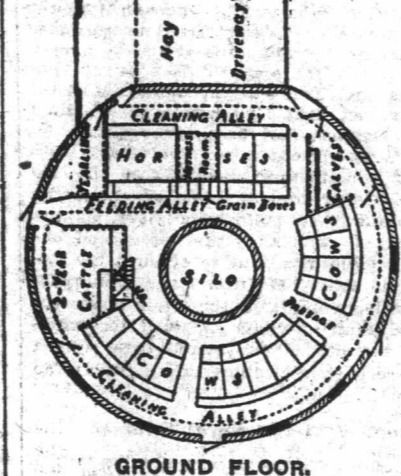
ARBORCULTURE

GROWING TREES IN THE GREAT NORTH-WEST

Popular Species for Groves and Hedges Described.

BEAUTY ADDED TO THE HONEY. BY W. H. MERCER. The near approach of spring brings with it the necessity of the time in the minds of many hundreds of farmers in the great Northwest...

ROUND BARN AND SHED.



GROUND FLOOR.

At rear, calf pen with four stanchions for feeding milk, two pens for young cattle, a silo, and feed bins. Feeding alley is short, saving work and space...

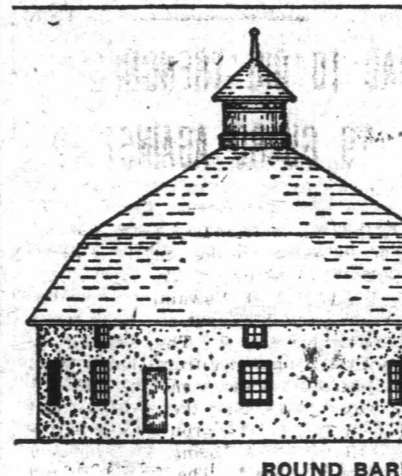
BUILDING

ROUND BARN AND SHED SUITED TO SMALL FARM

Construction Simple and Arrangements are Convenient.

COMBINES SEVERAL PURPOSES. BY F. L. MARSH. This building is suited to a rather small farm or one with a moderate amount of stock. Size may be varied much, but any change must be laid out with care...

ROUND BARN AND SHED.



SECOND FLOOR.

Stable has one double and two single horse stalls, good harness room, and a complete fire. The silo is a single cow stall, fastening with chains...

DAIRYING

PROVIDING OF PROPER FEED FOR THE COWS

One of the Potent Factors in Securing a Large Flow of Milk.

SOME FAULTS OF PASTURES. BY T. L. HACKER. One of the potent factors in securing a large yearly flow of milk is to no doubt farming operations that cows are provided with proper food during the entire period of lactation...

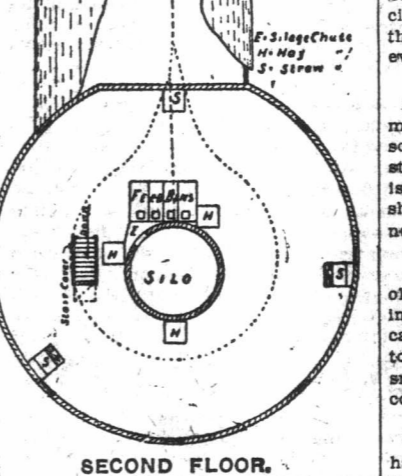
THE APIARY

LOCATING BEE HIVES TO THE BEST ADVANTAGE

Honey Makers Can be Kept With Profit in Heart of Large City.

ASTONISHING YIELDS REPORTED. BY E. R. ROOT. A few years ago it was thought that only localities especially favored would give large honey crops; but since the introduction of the Italians, and the new methods of management, astonishing yields are reported from almost every quarter of the globe...

ROUND BARN AND SHED.



SECOND FLOOR.

established like those on the ground in all essential points. The rear of a village lot or, if one lives on a farm, back of the house is an orchard is an ideal location...

ANSWERS TO CORRESPONDENTS

NOTE.—Not more than one question from one correspondent can be considered at one time. Questions should be specific, clear and concise, and should be addressed to the Editor of the Agricultural Department of this paper. Any person requiring answer by mail must enclose stamped envelope.—Editor.

Tongue Protruder.—T. B.—What can be done to prevent a horse running his tongue out of his mouth when driving? Ans.—A strap around the nose and lower jaw will usually stop tongue lolling.

Swollen Knees.—A. S.—A mare hurt her knees by stepping up in the manger. She is lame and the knees badly swollen. What do you advise? Ans.—Apply spirit camphor 3 times daily.

Colt Ailing.—G. A.—A one-year-old colt ails and seems well but is not lively and sweats excessively when standing in barn. Ans.—Clip the horse and keep skin healthy and clean.

Thin Mare.—Subscriber.—What can I do for my driving mare; she eats ravenously but is very thin. I feed hay and cracked corn. Ans.—Try poly. soda, hypophosphite in tablespoon doses 3 times daily in feed.

Thin Mare.—S. A. C.—A seven-year-old mare, though apparently well and lively, does not eat well and is thin. Her hair is rough and she does not shed well. Ans.—Give the mare a run on grass for a month or two.

Grease Heel.—Subscriber.—What can be done for a horse that has watery scabs on his hind legs? Ans.—Try bilgewater or a discharge. Ans.—Poultice with anti-phlogistine for a few days, then apply Resorcin Oint. 10 per cent. once daily.

Lame Colt.—J. G. A.—A two-year-old colt has lame since about 7 months. She swings her hind legs out quite decidedly. Ans.—The colt is lame in the hip. Try blistering over hip joint every two weeks.

Bloody Milk.—E. P.—A cow 6 years old always has a short time after freshening when she has blood in her milk. What is the cause? Ans.—The heavy flow of blood to the udder causes early rupture of small blood vessels when milked in some cows with thin vessel walls.

Skin Diseases.—E. A. D.—My horse has some kind of itch; the hair rubs off for some time, drags her hind leg and it is stiff for a time; she is not lame. What is the cause and cure? Ans.—The mare should not be kept standing in stall when not at work.

Mare's Bag Hard.—Subscriber.—Mare is soon to foal for the first time. Her bag is hard as if caked; has been so since she was a colt. Can anything be done? Ans.—Better wait until she foals before doing anything. If the bag is under is diseased or ruptured, the colt may be born dead.

Bunch on Colt's Neck.—J. E.—A 7-year-old colt has a bunch on his neck. It was soft at first but is now quite hard. I have rubbed it with alcohol and a hot water solution. What should be done? Ans.—The bunch should be freely cut open to allow free drainage. Inject carbolic acid solution once daily.

Heaves.—A. H.—Mare was taken with heaves and difficulty of breathing several times in extremely cold weather last winter and now has heaves. What is a remedy? Ans.—Give thist. tinct. 1 fl. oz. oil Eucalyptus, 2 fl. oz.; shake well and give teaspoonful 3 times daily. Feed only best clean hay and not too much of that.

White Scours.—Subscriber.—Young colts before they are taken from the cow pine away and die when 2 or 3 days old. They are not dumpy and have scours. Is this trouble infectious? Ans.—White scours is an infectious diarrhea of calves. Disinfect the stable, every week; give Bismuth sub galate in 1 dram doses 3 times daily.

GRAZING FULL FED STEERS. Feeders are divided in opinion as to the advisability of turning out to pasture cattle that have been fed heavily on grain during the winter with the intention of early spring marketing. It has been found in most cases that when first turned on grass the cattle do not eat enough grain, the grass being more palatable, though less nourishing. This causes a rapid shrinkage in weight for the first ten or fifteen days, the result being that they weigh little if any more a month after turning on grass than when first turned out. After that time, however, they make more rapid gains than those finished in a dry lot.



is an excellent time to buildings. The weather more favorable for painting and rain to soak the paint, and no flies to stick to the wet paint...



AM'S WISHES... sympathy apparent in the ergyman's face. The old home, Dr. Rogers had been associated with Rev. Men, and had later been his in circuit work...

BATTERY MEETING HELD YESTERDAY

ent Caused that St. John churches are not Being Incorporated

ing of the St. John Presbytery yesterday in the parlors of the St. John Church. Those present were: Rev. L. B. Gibson, moderator; J. H. Baird, clerk, and J. J. McCaslin, David Lang, Dr. Burrows, J. Anderson, Fraser, W. W. P. Macdonald, W. Macdonald, Fraser, Jas. Ross, W. M. Town, Hugh MacLean, Mr. Farley, Dickie and Wm. Girwood, and Messrs. W. J. Parks, Nicholson, and Malcolm.

Simon Fraser, returned missioner from Trinidad, was heard in connection with former missions. It was that Mr. Fraser visit several of the Presbytery.

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ASIATICS TO WORK ON THE G. T. P.

and Hays Will See Her About Admitting Orientals

A. Ont., Sept. 14.—Sir Charles Dixon and Charles M. Hays of the Trunk Railway will interview Laurier here tomorrow in connection with the Grand Trunk Railway. It is understood they are government to permit the section of the road. Conductor on the section now under an interview given yesterday. Hayswood Schieber, are such factors are unable to secure the enough men to carry out the within the specified time. Hayswood Schieber, are such factors are unable to secure the enough men to carry out the within the specified time.

Young stock may be fed half as much silage as full grown ones, with the same restrictions and precautions as given for steers. Experience obtained at the Kansas Station suggests that corn silage is not a fit food for breeding bulls, unless fed a few pounds only as a relish; fed heavily on silage, bulls are said to lose virility, and become slow and uncertain breeders.