

CONSTRUCTING A SILO.

Some of the Things to Be Taken Into Consideration by Those About to Build One.

Let it be air-tight. Your wife would hardly expect fine flavored fruit for her table had not the glass jar been hermetically sealed.

The staves forming the silo must be beveled, tongued and grooved. Any height desired can be reached if the ends of the staves are properly joined together, the best known plan for doing this being to use a metal spline, which when finished is wholly conwhich when finished is wholly con-cealed and makes the stave from bottom to top as good as if of one solid

Use round iron for hoops, extra beavy size at the base, medium in middle of silo, and little lighter at the top. Locate hoops some nearer together for large silos than for small ones, the average distance apart being about two feet.

On 16-foot diameter silo each hoop needs two draw lugs and corresponding nuts. Two lugs answer usually on



ROUND SILO WITH ALL OPEN FRONT.

each hoop. They might be of cast iron, but malleable are better, safer.

The lumber should be thoroughly seasoned and of a good grade Some kinds are more liable than others to shrink and swell. Let this be thought of. Experience has shown that cypress and white hemlock give good results.

The willing boy or hired man may ambitious to handle the brush. Let them occasionally spread a coat of a suitable wood preservative over the inside surface of the silo, and paint the exterior.

For removing the ensilage from the silo there must be openings in the form of doors, or an upen section. Doors were formerly used until something more economical and labor-saving was devised. The silage being such a heavy product and so concentrated, it is econ omy in labor and cost of handling to have the silo that is made with a continuous opening front. This allows the discharge out of the silo at all points down the front of the vessel as the feeding season advances.

Ensilage originated from the felt need of having a low cost succulent cattle food for winter feeding. So well has it served that purpose that when the midsummer pastures become short the silo is coming to be well regarded also for summer and autumn feeding. This should be remembered when the size of the silo is chosen.—Farm Jour-

THE DAIRY TYPE COW.

Instructive Figures Taken from Averages of a Large Herd for a Series of Years.

Careful experiments show that the 6,500 pounds of milk yearly, while the cow with beef heredity and tendency yields 4,500 pounds under similar conditions, says the Farm, Stock and Home When milk brings a dollar a hundred as is now the case, the net income from the butter from the dairy cow, whose milk averages four per cent. fat, is \$45 while that from the cow of beef type and whose milk only averages 35 per cent. fat, is only \$27. The feeding value of the skim milk giving four per cent butter is worth one-seventh more per pound than is the milk containing 35 per cent. Adding the actual value of the skim milk of each cow to the net re-turns for butter, we get from the dairy cow \$55 and from the other \$33. Thes figures are taken from averages of a herd for a series of years and under the most favorable conditions. Another very important result should be noted in this connection, and that is that the tows having a flesh-forming tendency remain useful in the herd for only half as long as do the dairy type cows, and that the former are more apt to contract disease than is the spare cow.

TIMELY DAIRY NOTES.

In feeding the calves there should be no guess work about the quantity or the temperature of the milk.

The average price of butter the past year was two and a half cents a pound bigher than the year preceding.

The attendance on dairy schools is increasing, and the capacity of all of them will have to be enlarged before many years.

CALVES WITHOUT MILK.

Those Raised in This Manner Rarely Develop Into Good and Profitable Dairy Cows.

I do not believe that a good calf can be raised without milk, says a correspondent of the Rural New Yorker, and in these days, when good cows are so highly valued, it seems a piece of the worst kind of shortsightedness and mismanagement to try to produce a first-class cow from a calf stunted in the beginning of its life. It may appear like economy to take milk from the calf and sell it to the creamery, cheese factory or milk station, but it is a poor economy. The tion, but it is a poor economy. The cows of the future demand that the calves of to-day be well nourished. Ten or twelve pounds of new milk daily will carry a calf nicely until it is ten days or two weeks old. Then, if the milk is made into butter, there is skim milk to feed. Change from whole to skim milk gradually and at the same time supply the fat by feeding corn meal, making the calf eat it dry. Later add some oats, ground preferred, but whole if ground ones are not obtainable, and bran or ones are not obtainable, and bran or middlings. If the milk of the dairy goes to a cheese factory, feed whole milk until the calf is at least a month old. Then feed sweet whey, not the sour stuffwhich is bailed out at 99 per cent. of the cheese factories. Feed in small quantities at first and increase gradually while the milk is decreased. At the same time feed some grain, composed of linseed meal, bran, middlings or oats and a little corn meal.

If the milk is sold outright from the farm and nothing brought back, then keep the calf on whole milk until it is old enough to thrive on hay, grain and water, and see what a fine calf it is! It is a good practice in ordinary dairies, where the milk supply is short, to raise only enough calves to keep the herd up, and those only from the best cows, and give them extra care

GRADING UP A HERD.

Highly Instructive Figures Which Show What Feed and Management Will Do.

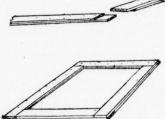
In the grading up of a herd, experiment station work has shown proper care and feeding count for much in milk production and may do much to improve the milking quali-ties of otherwise poor cows. Conse-quently, before a cow is rejected it should be determined that the fault for low production lies with the cow herself, and not with the feed and care she has received. At the Kansas experiment station a herd of 20 common scrub cows, which "were below the average cows of the state," were tested to see what could be made of them by proper handling. The average yield of milk per cow under such handling was 5.707 pounds, the poorage cover cover the coverage of the state of est cow giving 3,583 pounds; and the average yield of butter fat was 238 pounds, the poorest cow giving 135.7 pounds. The value of the butter fat averaged \$37.75 per cow. To compare this with the conditions in the state the records were collected of 82 herds in one of the leading dairy sections. The average annual yield was found to be 3,441 pounds of milk per cow, and 104.3 pounds of butter fat, the value of which was \$19.79.

The greatest yield secured from the scrub herd is attributed by the sta-tion to three causes: First, at all times their rations were either balanced or contained an excess of protein—the material which builds blood and milk - while the Kansas cow usually, when on dry feed, has only half enough protein. Second, kind-ness and shelter. Our scrub cows were petted, comfortably sheltered, were petted, comfortably sheltered, never driven faster than a slow walk and never spoken to in an unkind tone. Third, a full milk yield was se-cured through the summer drought by giving extra feed.—Ohio Farmer.

SCREENS FOR STABLES.

Comfort and Health of All Classes of Stock Depend Upon Freedom from Attack by Flies.

On many farms flies are to be found swarming through the barns in myriads, tormenting the horses in their stalls and the cows when hitched up



SCREENS FOR COW STABLES.

at night. Cheap, easily-made screen: for stable windows are shown in the cut. Make a frame the size of the window of four pieces of laths, and stretch a rectangle of cotton mosquito netting across it. Have ready four other similar pieces of laths and nail them over the netting, breaking joints with the first pieces, as shown. The netting is held firmly between the pieces. Such creen can be made in ten minutes .-Orange Judd Farmer.

Insulator for Ice Houses. After many tests for a good insulator to put into the walls of ice-houses eelgrass has been declared the best. A New England house built in 1653 had this in its walls to keep out the cold, and when examined two years ago the grass was in a state of perfect preservation. The grass is practically not subject to decay. Eel-grass is well The well-treated cow evinces a disposition to put her owner and her calf on the same footing. That is the best she pan do by her owner.—Rural World.

subject to decay. Eel-grass is well known to every person that has ever lived on the coast. It grows in inexhaustible quantities in the water just below the low-tide line.

JIM'S JEWELED TOOTH.

Gold Crown Set with Diamonds in

the Jaws of a Boston Bull Terrier. Jim is a bull terrier whose pedigree runs back through many generations of distinguished ancestry. He is an aristocrat, born into luxury, and his five years of life have been a continuous round of contentment and ease,

says the Boston Evening Transcript.

Everything that a pampered canine could possibly desire is lavished on Jim. The choicest tidbits fall to his portion. The smartest of up-to-date collars adorns his neck, and every pight he is tuked up in his own hed collars adorns his neck, and every night he is tucked up in his own bed with the clothes well up under his chin, "just so," before he will shut his eyes to sleep. Yachting trips and country holidays make his summers pass pleasantly, while his winter quarters are such as befits a dog of his registion and accounting the state. his position and accomplishments.
In point of luxurious living Jim is

not more favored than hundreds of other Boston pets. He has one great claim to distinction, however, which makes him peculiarly interesting—he is a regular customer at the dentist's. Some time ago Jim's master realized that something was the matter with his prize dog. He investigated and found two decayed teeth. Accordingly they were pulled out. The operation was not unattended with difficulties, but Jim seemed to know that the ordeal was for his ultimate good, and he behaved much better good, and he behaved much better good, and he behaved much better than the average man or woman who "takes nothing" when the forceps are applied. Relief from pain was evi-dent by the way he capered after the troublesome molars were removed.

Not long after Jim's left cuspid. which corresponds to the eye-tooth in the human mouth, showed signs of decay in darkish spots. Again he was conducted to the deltal chair. This time, a more delicate operation had to be undertaken, which the patient bore with fortitude. An entire gold crown was fitted, giving the appearance of a gold tooth. More than that, three sparkling diamonds were set in the polished surface. The largest is near the gum and the smallest at the rock of the tooth. Much of the work point of the tooth. Much of the work was done before the crown was ad-justed, so the operation was probably not as painful as might be imagined, although Jim has never expressed himself on the subject. He knows when his remarkable tooth is to be exhibited. He cocks his head to one side and relaxes his jaw so it can be excelled. be easily seen.

Another of Jim's teeth, directly in front, has become loosened, and it will soon have to be treated by having a bridge to tighten it.

KNOWN BY THEIR TUNES.

A Boss Carpenter's Queer Way of Discerning Capable Workmen.

Talking about the queer ways some peo-Talking about the queer ways some people have of sizing up a man's capabilities for a job, said a resident of Paterson, N. J., to a Washington Star reporter the other day, there recently died in my town a boss carpenter named Hebart, who had one question which he always asked of journeymen who applied to him for employment. If the applicant was found to possess all the other necessary qualifications Hebart would ask:
"What are your favorite tunes?"

'What are your favorite tunes?''
'Why, what do you want to know that for?" You whistle and sing some at your work,

don't you?"
"Oh, yes."
"Well, what tunes do you generally whis-

the or sing?"

'Oh, there's 'Old Hundred,' and 'Auld Lang Syne,' and 'Down by the Weeping Willows,' and—"

"That's enough!" the boss would exclaim. "You won't do for me. These tunes are too slow for me. Good-day."

On the contrary, if the applicant answered: "Oh, I generally whistle 'Yankee Doodle,' or 'The Fisher's Hornpipe,' or something of that sort, the earpenter would say at once: "I think you'll do! Take off your coat if you want to and go to work."

The Right Spirit.

"What did Col. Stillwell say about the brandied cherries sent to cheer his convalescence?"
"He said he was afraid he wasn't strong enough to eat the fruit," replied the little girl, "but that he appreciated the spirit in which it was sent."—St. Louis Republic.

THE MARKETS.

New York, July 7. Flour—Steady at old prices. Wheat—No. 2 red 85½c. Corn-No. 2 at 495%c. Butter—Creamery 17@19¾c. Cheese—Large white and colored

Eggs—Western 14c.

Eggs—Western 14c.
Cleveland, July 7.—Flour—Winter wheat, patents, \$4.85@5.00.
Wheat—No. 2 red 84c.
Corn—No. 2 yellow 47½c.
Oats—No. 2 white 29c.
Butter—Best creamery 20½c.
Cheese—York state 10c.
Eggs—Strietly fresh 12@13c.
Potatoes—Best new 45@55c.
Cattle—Choice steers \$4.70@5.00.
fair \$4.00@4.50. calves \$5.50@6.25.
Sheep—Choice \$4.25@4.40. fair \$3.59

Sheep—Choice \$4.25@4.40, fair \$3.50 24.00, best lambs \$4.50@4.75. Hogs—Yorkers \$5.30, pigs \$5.40. Toledo, July 7.—Wheat—Spot 83%c.

Corn—No. 2 cash 46c. Oats—No. 2 cash 25c.

East Buffalo, July 7.—Cattle—Rest 15.30@5.60, veals \$5.00@6.25. Hogs—Yorkers \$5.59, roughs \$4.85. Sheep—Lambs \$4.80@5.00, good vethers \$4.00@4.25.

East Liberty, July 7.—Cattle—Best steers \$5.80, common \$4.00@4.50.
Hogs—Best Yorkers \$5.55.
Sheep—Good lambs \$5.00@5.75, prime wethers \$4.25@4.30.

Cincinanti, July 7.-Hogs-Higher at \$4.80@5.50. Cattle-Strong at \$3.25@5,25. Sheep-Dull at \$2.25@4.00, lambs

46.5, 100 b. 25.3. Better grade, 10 lb. \$1,07.50 lb. 8.35; 100 lb. \$10.70 Fine old crop Santos, 10 lb. \$7.0; 10 lb. \$4.55; 100 lb. \$1.00. Mochai Peaberry, fine, 10 b. \$4.75; 10 lb. \$11.00 Mochai Peaberry, fine, 10 b. \$4.75; 10 lb. \$11.00 Mochai Peaberry, fine, 10 b. \$4.75; 10 lb. \$15.00 lb. \$15.0

VERY LOW RATES TO TEXAS,

Via M., K. & T. Ry., from Kansas City.

One-way tickets will \text{\text{\$\text{\$\text{\$}}} and same dates at \text{\$\text{\$2.00 less than the above.}}

This opportunity does not come often.

The Lost Thrill.

"Have you ever felt the thrill that comes from having a sweet girl look up into your eves and tell you that she loves you?"

"No. My nearest approach to it was when the loveliest maiden I ever knew put her arms around my neck, and with her sweet lips close to mine, said: "George, I adore you."

"And you weren't thrilled by that?"

"Nope, I was just about to be thrilled when her father, who happened, without our knowledge or consent, to be standing back of me, got into action. I wouldn't insult the feeling I had by calling it a mere thrill."—Chicago Times-Herald.

Hurt Him Professionally.

Hurt Him Professionally.

A New York barkeeper who was spending his vacation in Maine found himself one evening in a hotel in Portland. While he lingered a terrible storm took place. The windows of the room in which he was sitting were broken by hailstones "almost as big as eggs." The proprietor of the hotel noticed that the barkeeper turned aside to drop a tear.

"Does the storm scare you?" he ventured to ask his guest.

"It isn't that," replied the barkeeper, "but I can't bear to see so much cracked ice wasted in a prohibition state."—N. Y. Mail and Express.

If You Have

If You Have

Pimples, Tetter, Eczema or any disease of the skin or Mucous Membranes that can be reached by an outward application, it can be cured by using Palmer's Lotion, the great beautifier and Skin Curer which should be kept in every household ready for any emergency. Lotion Soap will greatly assist in curing all such afflictions. If your druggist does not keep it, send his name to Solon Palmer, 374 Pearl Street, New York, and receive free pamphlet of testimonials with sample of Lotion or Soap.

A Sly Dig.

Blanche-I made a regular fool of Harry last night.
Cora (eagerly)—Did he really propose?—Puck.

Do Your Feet Ache and Burn?

Shake into your shoes, Allen's Foot-Ease, a powder for the feet. It makes tight or New Shoes Feel Easy. Cures Corns, Itching, Swollen, Hot, Callous, Smarting, Sore and Sweating Feet. All Druggists and Shoe Stores sell it, 25c. Sample sent FREE, Ad-dress, Allen S. Olmsted, Le Roy, N. Y.

Not by the Piece.

Merchant—No, I tell you, I have absolutely nothing for you to do.
Applican—Well, I'd be willing to do that, on salary.—Philadelphia Press.

To Cure a Cold in One Day Take Laxative Bromo Quinine Tablets. Adruggists refund money if it fails to cure. 25 $\,$

"Fine show," remarked the first-nighter at the close of the new comic opera. "Phe comic fisherman was a realistic character, don't you think?" "No, I don't," replied the amateur angler, "his lines were too catchy."—Philadelphia Press.

We refund 10c for every package of PUTNAM FADELESS DYES that fails to give satisfaction. Monroe Drug Co., Unionville, Mo. Sold by all druggists.

When a man does you a favor, repay it in your own way as soon as you can; other-wise the chances are ten to one that you will have to return it in his way later.— Somerville Journal. Drugs have their uses, but don't store hem in your stomach. Beeman's Pepsin

them in your stomach. Beeman's Pepsin Gum aids the natural forces to perform their functions.

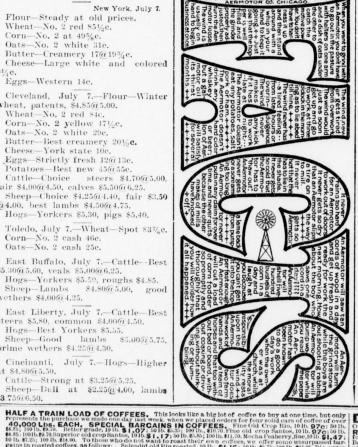
Men admire women because they are women and anything that makes them less womanly makes them less charming.—Phil-adelphia Times.

Piso's Cure for Consumption is an infallible medicine for coughs and colds.—N. W. Samuel, Ocean Grove, N. J., Feb. 17, 1900.

Clark—"How did the alarm clock work? I suppose you got up the moment it went off?" Blake—"Yes, I had to. Didn't have anything in bed to throw at it."—Boston Transcript.

Is taken Internally. Price 75c.

Our best society might be even better if money would talk less and think more. t this out. It sppears but or



Best for t' Bowels.

No matter what s you, headache to a cancer, you will er get well until your bowels are putri . Cascarets help nature, cure you with s gripe or pain, produce easy natural ovements, cost you just 10 cents to st getting your health back. Cascarets adv Cathartic, the genuine, put up in me boxes, every tablet has C. C. C. stampe in it. Beware of imitations.

It Would Depend.

It Would Depend.

Employer—According to your credentials you are a man of unimpeachable honesty. How much wages do you ask?
Honest Applicant—That depends. If you have a cash register in the shop I should have to ask \$25 per week. If there is no register I might be satisfied with \$15.—Boston Transcript.

Marquette, on Lake Superior,

Marquette, on Lake Superior, is one of the most charming summer resorts reached via the Chicago, Milwaukee & St. Paul Railway.

Its healthful location, beautiful scenery, good hotels and complete immunity from hay fever, make a summer outing at Marquette, Mich., very attractive from the standpoint of health, rest and comfort.

For a copy of "The Lake Superior Country," containing a description of Marquette and the copper country, address, with four (4) cents in stamps to pay postage, Geo. H. Heafford, General Passenger Agent, Chicago, Ill.

Time Wasted.

Lane's Family Medicine.

Moves the bowels each day. In order to be healthy this is necessary. Acts gently on the liver and kidneys. Cures sick headache. Price 25 and 50c.

900 DROPS

AVegetable Preparation for As-

similating the Food and Regula-ting the Stomachs and Bowels of

INFANTS CHILDREN

Promotes Digestion.Cheerful-

ness and Rest. Contains neither

Opium, Morphine nor Mineral.

Pecipe of Old Dr.SAMUEL PITCHER

Aperfect Remedy for Constipa-tion, Sour Stomach, Diarrhoea

Worms, Convulsions, Feverish-

ness and Loss of SLEEP. Fac Simile Signature of

Chart Fletcher.

NEW YORK

At6 months old

EXACT COPY OF WRAPPER

35 Doses - 35 CINIS

NOT NARCOTIC.

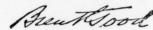
epe W.d. If Surd Punykin Seed -Alx. Sonna + Rocholle Sults -Anise Seed + Pappermit -Bi Carbonate Soda -Worm Seed -Clarified Sugar Wintergreen Flavor:

ABSOLUTE SECURITY.

Genuine

Carter's Little Liver Pills.

Must Bear Signature of



See Fac-Simile Wrapper Below Very small and as easy

to take as sugar. CARTER'S FOR HEADAGHE.

FOR BILIOUSNESS. FOR TORPID LIVER. FOR CONSTIPATION. FOR SALLOW SKIN. FOR THE COMPLEXION Price GENUINE MOST HAVE SUMATURE.

25 Conts Purely Vogetable. Sucretfication

CURE SICK HEADACHE.

The Kind You Have **Always Bought** Bears the Signature

For Over Thirty Years

Most everybody knows something about

Old Virginia Cheroots

as 300,000,000 of them are being smoked this year. Ask anybody about them, if you have never smoked them yourself. They have made their own reputation and their own place in the cigar trade, wholly on their merits. Three good smokes for five cents, and no waste!

Three hundred million Old Virginia Cheroots smoked this year. Ask your own dealer. Price, 3 for 5 cents.



Double Daily Service

cars, sleeping cars, free reclining chair cars dining cars. Send to the undersigned for a free copy of Picturos and Notes En-Route illustrating this new line as seen from the car window. Tickets of agents of I. C. R. R. and connecting lines.

A. H. HANSON, G. P. A., Chicago.

How to get Wedding Birthday and Holiday present for wife, husband, children, father and mother, sister and brother FREE. They are writing desks, furniture, all guaranteed.

Write HOME SUPPLY CO., Buffalo, N. Y

DESIRING TO BUY ANYTHING ADVERTISED IN ITS COLUMNS SHOULD INSIST UPON HAVING WHAT THEY ASK FOR, REFUSING ALL SUBSTITUTES OR IMITATIONS

READERS OF THIS PAPER

Two Delicious Desserts

for price of one. The Grocers of this city are giving a package of Burnham's Cream Custard to each purchaser of a package of Burnham's Hasty Jellycon. Both make delicious desserts, without cooking or bak-ing. Dissolve the Cream Custard in hot milk; Hasty Jellycon in hot water. Order-

FISO'S CURE FOR CURES WHERE ALL ELSE FALLS, Best Cough Syrup, Tastes Good, Use In time. Sold by drugstlas.

ors, Windows, Nails and all kinds of Building Material axed windows at \$72 each, \$100 and form at \$90 ceech, \$100 and \$100 ceech, DOLLARS SAVED By buying your Do Other goods in proportion. Send for prices or send its yourses ROOFING. and SIDING. We have several cars bough following prices: Plain Pressed Brick Siding, per square. Beaded Ceiling, per square, \$2.75. Standing Seam Roofing plete, \$3.05. In lots of five squares or more, see per square lone pound of nails with each square. WANTED. The nan goods at retail at wholesale prices. We will mail our 25 page person who sends use thing in fishing outfits and sporting go FISH. These prices include one pound of paintance and postofice addresses of all wan wish to buy cory Catalogue FREE every two weeks to any table farmers and other consumers. CATCH Suches; it will be sent por see paid. FREE.

T. M. ROBERTS' SUPPLY HOUSE, Minr olis, Minn.

to-day.