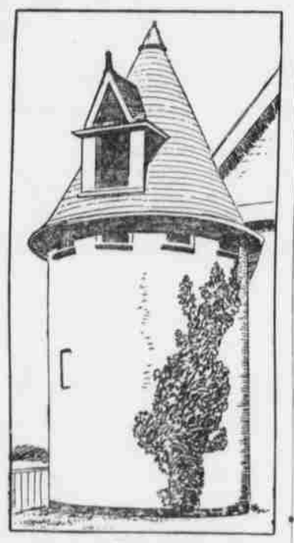
MODERN SILO CONSTRUCTION.

The farmers of the corn belt are coming to realize more and more the value of silage as a cheap, succulent feed. For dairy cows it is almost indispensable if the best results are to be obtained. Experiments at various stations show that it may also be used successfully for fattening steers, sheep and even hogs. To aid farmers in selecting the type of silo best adapted to their conditions the Iowa experiment station has made a thorough investigation of silo construction and issued a bulletin on the subject, from which the following is taken:

Of the silos reported by their owners or visited, 135 were located outside of the barn and 26 inside. Those located inside of a building were largely of a type not well adapted to be placed outside. These reports indicate that a location of the silo outside of all buildings meets with greater favor among those using silos. There are good reasons for this. First, the silo, with the exception of a few types, is of such a construction that it does not need the protection of a covered building. Second, it is not economical to place a silo in a building where it will occupy space which may be put to other use. Third, a silo located inside of a building is often unhandy to fill. The forage cannot be delivered to the cutter conveniently. Fourth, by locating a silo outside of the building and only connecting it thereto with a passage provided with doors, the objectionable odor of the silage may be kept out of the building. By arranging the silo so as to be connected to the feeding room with a feed way, it should be as convenient for feeding as when located in the building itself. A very common arrangement is to so locate the silo that the passage way from silo to barn is a continuation of the feed way in the barn. In general, it seems that there are few advantages in building a silo inside of a building and many in building it outside.

Square silos are practically a thing of the past. They were developed before the round silo, but generally gave trouble by the bulging of the straight sides and the spoiling of the silage in the corners. In addition to this the material of construction is not so economically used or distributed to resist



A BRICK SILO.

the pressure of the silage as in the round silo. The first two difficulties were somewhat reduced by filling the corners of the square silo, making it octagonal. However, this was only a transitional stage in the development of the round silo, and very few are in use.

Where brick may be secured at a reasonable price it may be used for silo construction with good results. Several brick silos were investigated, and as a whole they were very satisfactory. The chief trouble with their erection seemed to be with the reinforcement. Attempts to build brick silos without any reinforcement resulted in failures as far as investigated. The solid wall brick silo is not much, if any, better than the stave silo as far as protection from freezing is concerned. The wall is usually eight inches thick and re-enforced by hoops or bands on the outside. The inside must be plastered with cement plaster to make the walls air and water tight.

Out of the 124 silos reported in Iowa eighty-two were of the stave type. There is no doubt whatever but that the stave silo is a thoroughly established success. The measure of success depends largely, however, upon the method of construction, material used and care that is taken of the silo.

A few years ago it could have been said that concrete silos were in the experimental stage, but now it has been demonstrated by the success of many of them that concrete is one of the best building materials from which to construct permanent silos. Considering that the general use of concrete has been developed within a very few years and the majority of concrete silos have been built by men with little or no experience the success of the concrete silo has been remarkable.

The silo may be made an ornament to any group of farm buildings. Its form is such that it may be made to add to the appearance of any style of construction. One or more conical silo roofs when viewed from a distance or the full height of the curved walls at a closer range gives a very pleasing effect when placed in a setting of rectangular buildings.

SWINE ON ALFALFA.

Methods of Various Western Breeders In Feeding This Crop.

Our Colorado people years ago came to the understanding that there is no better forage crop for hogs than alfalfa, says Denver Field and Farm. One man estimates that it takes from one-half to one-third less corn on alfalfa pasture than on a straight grain ration to make a hog ready for market. Many farmers let the hogs run on alfalfa until they are six months old, by which time they reach a weight of seventy-five to 125 pounds, feeding just a little grain. Then they feed heavily for about two months and sell the hogs at eight months old weighing 200 to 225 pounds. One farmer who raises about a thousand hogs annually and who in one year sold $11,200 worth of hogs makes a practice of raising his swine on alfalfa pasture until about eight months old, feeding one ear of corn a head daily. He then feeds corn heavily for a month or two and sells at an average weight of 200 to 225 pounds.

Another man feeds all the corn and slop the pigs will clean up, all the while running them on alfalfa pasture, and sells at six to eight months old at weights of 250 to 300 pounds. Another, who raises about a thousand head a year, feeds all the corn the pigs will eat, beginning shortly after weaning and continuing until the pigs are sold at ten to eleven months old, averaging 275 pounds. Still another farmer, from weaning time—two months old—until eight months old feeds the pigs nothing but dry corn on alfalfa pasture, averaging about 3½ pounds a day for each head. At the end of eight months he sells at an average weight of 250 pounds. The quantity of corn fed is about eleven bushels for each head.

While alfalfa pasture has been found very valuable for hogs, the hay as a part ration for winter is scarcely less important. Throughout this whole western region the farmers make a practice of feeding hay to hogs throughout the winter. The hay has been found especially valuable for brood sows before farrowing. When fed during winter only a small ration of grain is necessary to keep the sows in good flesh and in healthy condition. Sows thus fed also farrow good litters of strong, healthy pigs. Many feed the hay by throwing it on the ground in forkfuls. Others have made low racks, in which the hay is placed, from which the hogs can feed like cattle or sheep.

The hay is usually fed dry. The leaves are more readily eaten by the hogs than the stems, and they contain more of the nutritive value of the plant. For these reasons some farmers save the last cutting of hay for the hogs because it is more relished.

Ringing the Hog.

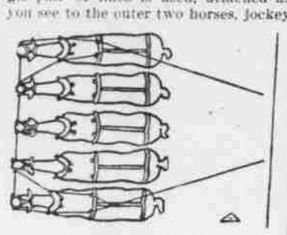
The proper method of ringing hogs' noses is my subject, and with my long years of study and observation I am compelled to say that there is no good, but actual harm in the practice. He is a natural born rooter, and when you take from him this privilege you deprive him of one of his inalienable rights, and he will resent this usurpation of authority by refusing to do well for you. The hog roots for something. As the chalks, marls, lungs, worms, roots, herbs, etc., are appetizers to him, his system calls for these; it is his nature.

Now, I'll tell you how I raise hogs. Have a field of alfalfa for them to run on in the summer and fall and an oat patch for them to graze on during the winter and spring. During wet weather which brings the worms to the surface of the ground, turn into a pen most of the time to keep them from rooting up your alfalfa or oats. I put my hogs in a floored pen sixty days before butchering time and feed them sacked corn. I wash the corn out twice a week and sprinkle with wood ashes. This acts as a disinfectant.—F. J. R. Davenport, before Swine Breeders at Texas Farmers' Congress.

Five Horses Abreast.

Country Gentleman says of the plan shown in the illustration for driving five horses abreast:

"This is the simplest possible solution of the problem. An ordinary single pair of lines is used, attached as you see to the outer two horses, jockey



DRIVING FIVE ABREAST.

straps being used to control the other horses. In this case two horses are required to lead the other three as you turn toward the right or left. The single pair of lines could be attached to two of the inner horses, standing as a single pair, driving them in the ordinary way, using jockey sticks instead of jockey straps."

Remedy For Cowpox.

Oxide of zinc ointment rubbed on the cow's bag morning and night is a very good remedy for cowpox. The disease is carried from cow to cow on the hands of the milker, so when the disease is in the herd milkers should wash their hands carefully after milking each cow. Do not use the milk from affected cows until they are cured.

A Forcing Effect.

Fresh manure has a forcing effect and tends to produce stems and leaves at the expense of fruit and grain. It is therefore better for early garden truck, grasses and forage plants than for cereals or fruit.

Order to Show Cause.

In the County Court of the State of Oregon for Polk County.

In the matter of the estate and guardianship of Lyle Ball, a minor. In probate.

It appearing to this Court from the petition this day presented and filed by Frank H. Fawk, the guardian of the person and estate of Lyle Ball, a minor, praying for an order of sale of certain real estate belonging to his said ward, viz:

An undivided one-third interest in and to that parcel of land described as beginning at a point 20.25 chains East from the Northwest corner of the "L" of the Donation Land Claim of Henry Marshall and wife, Sonification No. 1965, Claim No. 69, in Township 8 South, Range 5 West of the Willamette Meridian, in Polk County, State of Oregon, and running thence East 6.75 chains; thence North 15.31 chains; thence West 6.75 chains; and thence South 15.31 chains to the place of beginning, containing 10 acres, more or less.

Also, an undivided one-fifteenth interest in and to that parcel of land described as beginning at the Southwest corner of the "L" of said Donation Land Claim and running thence North 19.32 chains to the Northwest corner of said "L;" thence East 101.37 chains; thence south 19.32 chains to the Southeast corner of said claim; and thence West 101.37 chains to the place of beginning, containing 196 acres, more or less.

That it would be beneficial to said ward that such real estate should be sold; and it further appearing that Lloyd Ball, the brother of said ward, and Bonna Lynn, his sister, are the next of kin of said ward, and that neither of them resides within the State of Oregon: On motion of Oscar Hayter, Esq., attorney for said guardian,

It is hereby ordered that the next of kin of said ward, and all persons interested in the said estate, appear before this Court on Monday, the fourth day of January, 1909, at ten o'clock, a. m., at the Court room of this Court, in the County Courthouse in the City of Dallas, in Polk County, State of Oregon, then and there to show cause why a license should not be granted for the sale of such estate.

And it is further ordered that a copy of this order be published at least three successive weeks before the said day of hearing, in the "Polk County Observer," a newspaper circulating in this County, printed and published at the City of Dallas.

Dated November 23, 1908.

ED. F. COAD,
County Judge.

Notice to Creditors.

Notice is hereby given that the undersigned has been duly appointed administrator of the estate of Isaac Stevens, deceased, by the County Court of the State of Oregon, for Polk County, and has qualified.

All persons having claims against the said estate are hereby notified to present the same duly verified, together with the proper vouchers therefor, to the undersigned, at his place of business in Willamina, Yamhill County, Oregon, or at the office of the County Clerk of Polk County, in Dallas, Oregon, within six months from the date of this notice.

Dated and first published November 17, 1908.

ANDREW KERSHAW,
Administrator of the estate of Isaac Stevens, deceased.

Oscar Hayter, Attorney.

Notice For Publication.

Department of the Interior,
U. S. Land Office at Portland, Oregon.
October 30, 1908.

Notice is hereby given that Roy H. Wassam, of Dallas, Oregon, who, on October 30th, 1908, made Timber or Stone entry, No. 6612, for N. W. ¼ of S. W. ¼ of Section 4, Township 7, South, Range 6 West, Willamette Meridian, has filed notice of intention to make Final Proof, to establish claim to the land above described, before E. M. Smith, County Clerk of Polk County, Oregon, at Dallas, Oregon, on the 11th day of January, 1909.

Witness names as witnesses: G. P. Conlee, of Dallas, Oregon; M. A. Conlee, of Buell, Oregon; E. W. Hinshaw, of Dallas, oregon; J. P. Byers, of Dallas, Oregon.

ALGERNON S. DRESSER,
Register.

Notice to Creditors.

Notice is hereby given that the undersigned has been duly appointed administratrix of the estate of John C. White, deceased, by the County Court of the State of Oregon, for Polk County, and has qualified.

All persons having claims against the said estate are hereby notified to present the same duly verified, together with the proper vouchers therefor, to the undersigned at her residence near Oak Grove in said County of Polk, within six months from the date of this notice.

Dated and first published November 20, 1908.

MARANDA M. WHITE,
Administratrix of the estate of John C. White, deceased.

Address: R. F. D. No. 1 Rickreall, Oregon.
Oscar Hayter, Attorney.

Notice of Final Settlement.

Notice is hereby given that the undersigned as administrator of the estate of Emily Foreman, deceased, has filed his final account in the County Court of the State of Oregon, for Polk County, and that Thursday, the 10th day of December, 1908, at the hour of ten o'clock in the forenoon of said day, at the Court room of the said County Court in the City of Dallas, Oregon, has been appointed by said County Court as the time and place for the hearing of objections to the said final account and the settlement thereof.

OSCAR HAYTER,
Administrator of the estate of Emily Foreman, deceased.

Platt & Platt, Attorneys.
Dated and first published November 10, 1908.

Notice to Creditors.

Notice is hereby given that the undersigned has been duly appointed administrator of the estate of Maggie Miller, deceased, by the County Court of the State of Oregon, for Polk County, and has qualified.

All persons having claims against the said estate are hereby notified to present the same duly verified, together with the proper vouchers therefor, to the undersigned at his place of business in Willamina, Yamhill County, Oregon, or at the office of the County Clerk of Polk County, in Dallas, Oregon, within six months from the date of this notice.

Dated and first published October 30, 1908.

ANDREW KERSHAW,
Administrator of the estate of Maggie Miller, deceased.

Oscar Hayter, Attorney.

TIMBER LANDS

Fuller & Elliott

Only Real Estate firm in Polk County handling Timber Land exclusively

Don't fail to call or write if you have timber to sell.

Office in Crider Building

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LOOK HERE!

The City Express & Transfer Co.

does all kinds of hauling at reasonable rates, Stand and both phones at Webster's Confectionery Store.

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B. F. JONES
Office in Cooper Building.
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DENTIST.
M. HAYTER
Office over Wilson's Drug Store
DALLAS, OREGON.

ATTORNEY AT LAW.
OSCAR HAYTER,
Upstairs in Campbell building, Mill St
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The only reliable set of Abstracts in Polk county. Office on Court St.
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ATTORNEY AT LAW
Walter L. Tooze, Jr.
Office in Wilson Bldg.
DALLAS - - OREGON

INDEPENDENCE & MONMOUTH Railway.

FROM INDEPENDENCE.

FOR DALLAS.

Train No. 64. Leave Independence daily, 6:00 a. m.; lv. Monmouth, 6:15 a. m.; ar. Dallas, 6:40 a. m.

Train No. 68. Leave Independence, daily, 10:50 a. m.; lv. Monmouth, 11:05 a. m.; ar. Dallas, 11:30 a. m.

Train No. 70. Leave Independence, daily, 6:15 p. m.; lv. Monmouth, 6:30 p. m.; ar. Dallas, 6:55 p. m.

FOR AIRLIE.

Train No. 67. Leave Independence, daily, 7:50 a. m.; lv. Monmouth, 7:40 a. m.; ar. Airlie, 8:15 a. m.

Train No. 73. Leave Independence, daily, 3:30 p. m.; lv. Monmouth, 3:50 p. m.; ar. Airlie, 4:25 p. m.

FOR MONMOUTH ONLY.

Leave Independence, daily, 2:30 p. m.
No. 101 arrives Monmouth 7:20 a. m.

FROM DALLAS.

FOR INDEPENDENCE.

Train No. 65. Leave Dallas, daily ex. Sunday, 8:30 a. m.; lv. Monmouth, 8:55 a. m.; ar. Independence, 9:15 a. m.

Train No. 101. Lv. Dallas, Sunday only, 6:55 a. m.; ar. Independence, 7:30 a. m.

Train No. 69. Leave Dallas, daily, 1 p. m.; lv Monmouth, 1:25 p. m.; ar. Independence, 1:40 p. m. (This train connects at Monmouth for Airlie.)

Train No. 71. Leave Dallas, daily, 7:35 p. m.; lv. Monmouth, 8 p. m.; ar. Independence, 8:15 p. m.

FROM AIRLIE.

Train No. 66. Leave Airlie, daily, 9 a. m.; lv. Monmouth, 9:35 a. m.; ar. Independence, 9:50 a. m. (This train connects at Monmouth for Dallas.)

Train No. 72. Leave Airlie, daily, 5:05 p. m.; lv. Monmouth, 5:40 p. m.; ar. Independence, 5:55 p. m.

Train No. 100 leaves Airlie 4:45 p. m. SUNDAY ONLY arrives Monmouth 5:20 p. m. arrives Independence 5:30 p. m.

FROM MONMOUTH ONLY.

Leaves Monmouth for Independence, daily at 2:00 p. m.

Kodol Dyspepsia Cure
Digests what you eat.

How's This!

We offer One Hundred Dollars Reward for any case of Catarrh that cannot be cured by Hall's Catarrh Cure.

F. J. CHENEY & CO., Props., Toledo, O.

We the undersigned, have known F. J. Cheney for the last 15 years, and believe him perfectly honorable in all business transactions and financially able to carry out any obligations made by their firm.

WEST & TRUAX, Wholesale Druggists, Toledo, O.
WALDING, KINNAN & MARVIN, Wholesale Druggists, Toledo, O.

Hall's Catarrh Cure is taken internally, acting directly upon the blood and mucous surfaces of the system. Price, 75c. per bottle. Sold by all Druggists. Testimonials free.

Hall's Family Pills are the best.

TOWER'S FISH BRAND WATERPROOF OILED CLOTHING

looks better—wears longer—and gives more bodily comfort because cut on large patterns, yet costs no more than the "just as good" kinds

SUITS $3.00 SLICKERS $3.00

SOLD EVERYWHERE

Every garment bearing the sign of the fish guaranteed waterproof

TOWER'S FISH BRAND

A. J. TOWER CO. BOSTON U.S.A.
TOWER CANADIAN CO. LIMITED TORONTO, CAN.

CATALOG FREE

KILL THE COUGH AND CURE THE LUNGS

WITH Dr. King's New Discovery

FOR COUGHS COLDS PRICE 50c & $1.00. Trial Bottle Free

AND ALL THROAT AND LUNG TROUBLES.

GUARANTEED SATISFACTORY OR MONEY REFUNDED.

A Fresh Complexion

is preserved—and produced—by Robertine, a mild, delightful preparation, delicately fragrant. Makes the skin exquisitely soft; banishes crackled appearance caused by over-dryness; reduces the size of enlarged pores, cleanses them, reduces inflammation and spreads an even, radiant glow due to wholesome nourishment of skin glands and stimulation of the capillaries which also feed the skin and supply its healthful color.

Ask your Druggist for a free sample of

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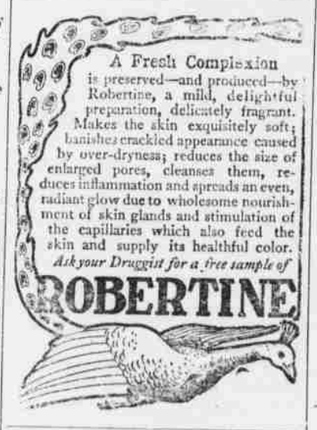

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109 SECOND STREET
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HIDDEN DANGERS

Nature Gives Timely Warnings That No Dallas Citizen Can Afford to Ignore.

The kidneys are bean-shaped organs, composed of masses of little tubes, all of which pour their secretions into a main channel that leads to the bladder. In this way the kidneys pass off more than an ounce of poison every day when in health. But it does not take much to set the kidneys back, and when they get behind, they cannot right themselves without help. The uric acid begins to clog the kidneys, causing that dull, heavy aching in the back, and sharp twinges when stooping or lifting. It crystallizes in the muscles and joints, and every turn or twist brings keenest torture. It attacks the nerves with neuralgia, and sciatica, it brings headache, dizziness, languor and disorders of the urine. Try a good kidney medicine, if you have any of the above symptoms. There is nothing else so prompt and effective as Doan's Kidney Pills, and this remedy has no effect on the other organs, except to drive out the uric poison that interrupts their action. It cures the kidneys and thus ends the cause of disease. Rich, pure blood and lasting health result.

Home proof is convincing evidence of the efficiency of Doan's Kidney Pills. Call at Belt & Cherrington's drug store and ask to see statements of Dallas people who have used this remedy.

For sale by all dealers. Price 50 cents. Foster-Milburn Co., Buffalo, New York, sole agents for the United States.

Remember the name—Doan's—and no other.

WINTER COLDS you need not fear them if you use BALLARD'S HOREHOUND SYRUP

A cough or cold is generally a forerunner of many serious sick spells. It should not be neglected, the human breathing system is a combination of tubes and cells, which must be kept in order to insure good health.

Ballard's Horehound Syrup CURES COUGHS, COLDS, BRONCHITIS, WHOOPING COUGH, CROUP AND ALL PULMONARY DISEASES.

Cured of a Chronic Cough.

J. H. Ellis, Butte, Mont., writes: "I cheerfully recommend Ballard's Horehound Syrup to all people afflicted with chronic coughs. I suffered for years with a chronic cough which would last all winter. Ballard's Horehound Syrup effected an immediate and permanent cure."

25c, 50c and $1.00.

Ballard Snow Liniment Co.
500-502 North Second Street, ST. LOUIS, MO.

Sold and Recommended by
STAFRIN DRUG COMPANY

CONSTIPATION

You have tried all kinds of pills, waters and cathartics for Constipation and Liver Complaint. Now get the REAL Cure. Take NR Tablets and see how much better they are. See the difference in results. Their action is never attended by that all-gone-sick sensation—they make you feel better the minute you take them. They brace you up and put new life in you, make you feel stronger and better, because they are made to regulate the entire digestive system. One dose will convince you. Get a 25c box.

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BELT & CHERRINGTON, Dallas, Oregon.

FRIEND TO FRIEND.

The personal recommendations of people who have been cured of coughs and colds by Chamberlain's Cough Remedy have done more than all else to make it a staple article of trade and commerce over a large part of the civilized world.

AN INSTANCE.

Lucy Suddreth, of Lenoir, N. C., had been troubled with a very bad cough for over a year. She says: "A friend bought a bottle of CHAMBERLAIN'S COUGH REMEDY, brought it to me and insisted that I should take it. I did so and to my surprise it helped me. Four bottles of it cured me of my cough."

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DR. KING'S NEW DISCOVERY

FOR COUGHS AND COLDS

AND ALL THROAT AND LUNG DISEASES . . . . . PREVENTS PNEUMONIA AND CONSUMPTION

"Two years ago a severe cold settled on my lungs and so completely prostrated me that I was unable to work and scarcely able to stand. I then was advised to try Dr. King's New Discovery, and after using one bottle I went back to work, as well as I ever was."
W. J. ATKINS, Banner Springs, Tenn.

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THE NEW IDEA KENNEDY'S LAXATIVE HONEY AND TAR COUGH SYRUP

THE ORIGINAL LAXATIVE

Moves the Bowels — Best for Children — Red Clover Blossom on Every Bottle

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Will cure any case of Kidney or Bladder Disease not beyond the reach of medicine. No medicine can do more.

Cures Backache
Corrects Irregularities
Do not risk having Bright's Disease or Diabetes

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