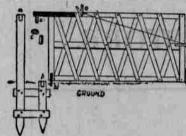


Cold Barns.

Those whose cattle barns are not warm enough to work in comfortably without an overcoat and mittens in the winter, or even without any coat in ordinary winter weather, may be sure they are not warm enough for the cows to do their best in, or for calves and young stock to grow rapidly without extra allowance of heating food. Covering up cracks and seeing that windows and doors shut snugly will help some, but we remember when a boy, and when cows were kept in a barn with unshingled sides and ends, having to help line the walls back of the stock with old boards and slabs nailed on the inside of the posts and stuffing the space between this lining and the outer boards with bog hay, so that no wind could come through. Taking out the old board slide window where the manure was thrown out into the yard and putting in a larger half window from an old building, so that we had light enough to take care of the cows without leaving door or window open, was another improvement, and all was done at small expense and but little labor, which were important considerations in those days to poor farmers trying to do the best they could with what they had .- Boston Cultivator.

A Gate that Will Not Sag. If the posts are well set there will be

but little danger of the gate sagging. particularly if it be made as the one shown in the illustration. In the tops of the short and long posts bore holes for receiving gate hinges, then fill them with linseed oil to act as a preservative. Insert a piece of gas pipe to prevent wear, or use an iron washer a. The hinges a and b are cheaper than ordi-



WILL NOT SAG.

nary hinges and can be made by any blacksmith. By use of the lever e the latch can be raised without walking to the end, then following it around. The small wheel d on a swivel is the most important element in preventing sagging. It can be made of wood and hence is very cheap. Light material may be used in making this gate, yet it will be very strong.-American Agri-

Fall Treatment for Trees.

We like best to receive trees in the fall, but they should not be planted uutil early spring. Trees received this fall should be buried in a cool, frostproof cellar, when they will not wither; or buried outside in a trench in a dry bank. Our method is to dig out a trench two feet deep, two or more feet wide, and long enough to hold what trees we have to carry over. Beginning at one end slope the bank so that when the first trees are laid in a slanting position the roots will be a foot or more below the surface level and the tops just about on the level. The bundles should be opened, the trees laid in and the roots lightly covered with fine. mellow earth, care being taken that every space between the roots and stems is filled. Then another layer is put in with the roots beyond the first with the trunks over the roots of them. covering with the soil as before, and so on until all are in, then covering the whole with earth and rounding over the top so that water will not run into the trench. This work is best done early in November.-Farm, Stock and

A Handy Wagon Seat. A very handy seat for use in hauling without the wagon box is made as follows: A is an old mower seat with the

stem bent in the



proper shape to fit on the front side of the front bolster and reach down to the coupling pole. B is a piece of flat steel bent to fit over the bolster and down behind, and is fastened to the

spring of the seat with two bolts as shown, and C is another piece of iron or steel bent in the proper shape for the seat spring to fit in, and is fastened to the sand board with two bolts. This must be fitted up close so as to hold the seat in the right place, and when you want to put on a load just raise the seat up and take it off, and when load is on throw it on top and you will have a comfortable seat.-Epitomist.

Worm Diseases.

A reader complains of fowls dying, and upon examination found them full of some species of tape-worm. Separate the fowls that seem sick and take care that all the poultry manure is put where there is no danger of its spreadthe manure will kill the eggs of parasites. To cure the sick fowls give from one to three teaspoonfuls of turpentine, according to the size of the chicken; too much torpentine will kill the bird. Medicine is of little use unless the yard is kept clean and the manure disposed of safely .- Poultry World.

Scarcity of Feeders. Feeding sheep are scarce and several points higher in price than they were last year. The demand for them is even dition every year.

greater than it has been for years. which has had its effect in stimulating prices and making them firm. Buyers crowd the large stock markets and many return home without obtaining what they want. It is next to impossible to pick up feeders in the country. for every man who has a few of them has his price so high that there seems no margin in it for the feeder, and feeding for fun with some of them has gone out of style. Another reason why they are so scarce on farms is that breeding flocks are scarce, and an order to pick up any large number of them would mean a great deal of traveling.

How Many Fowls in a House. In making preparations for the win ter quarters of the fowls do not commit the error of crowding thirty into a room only large enough for twenty. One of the causes of disease is that of crowding the fowls and then attempting to overcome the evil by ventilation. When there are too many hens together the heat of their bodies causes ascending currents of air, and as the warm air rises the cold air comes in. If there is a top ventilator the warm air will pass out at the upper portion of the ventilator, while a current of cold air will also come in at the lower portion, which passes over the heads of the fowls, and causes the well-known cases of swelled head and eyes, or leads to roup. No poultry house will require a ventilator If the hens are not crowded. A dozen hens in a house ten by ten feet are sufficient, and any excess over that number will render the whole liable to

Adapting Plants to Climate. Nature always tries to adapt plants or animals to their environment. The more hardy or those best adapted to the climate survive, and thus hardler breeds are established. There's a limit to this, doubtless, though it would be hard to place it. By growing peach trees in the North from Northern-grown peach stones we shall be likely to secure a hardler variety of peach trees than as if peach trees were grown from seed produced in the South. Seed corn grown South will not ripen as early. and therefore requires a longer season than that grown here. Possibly by growing some plant not acclimated here under the most unfavorable circumstances we may produce varieties that will be hardy enough to succeed .-American Cultivator.

Keeping Cabbage.
The best way to keep cabbage is to dig a trench in a dry place as deep as The best way to keep cabbage is to dig a trench in a dry place as deep as the stalks are long. In this trench set cure. 250. the cabbage heads up, filling the trench about the roots and stalks with the soll taken out in digging it. The heads should be packed closely together and, when all are in, covered with straw over which soil is thrown deeply enough to prevent rains from getting in. This need not be very deep, as a row of sods on top of the ridge will danger to navigation. act as a watershed. Cabbage buried in this way fills out during the winter and quite loose heads will be solld and hard when taken out, and the whole head will be blanched until crisp, sweet and tender.

Vegetables as Feed for Stock. rots, turnips and potatoes to cattle should be done with the view more of adding variety to the food than to give such articles as portions of the regular ration. Grain and hay are the best of all foods for cows in winter, but the animals appreciate a change from the year for boy monarchs. dry foods to ensllage or vegetables. Pumpkins, beets and carrots may be sliced and fed raw, but potatoes and turnips should be cooked and thickened with bran and corn meal by way of adding to the variety.

Tying Animals in Pasture. Farmers during the fall often want to tie sheep or calves in after feed. Instead of the customary swing pole, take a common smooth fence wire (any length) and fasten the ends to stakes set the proper distance apart (or to trees). Before fastening both ends slip a ring on the wire and tie your animal to ring. Place an obstruction on the wire the same distance from each stake that the tie rope is in length. This can be done by driving a spike between the strands of wire.

Hog Cholera Cure. The Government formula for hog cholera, as given la bulletin No. 157, of the Michigan Experiment Station is one pound each of sulphur, wood charcoal, sulphate of soda and sulphide of antimony, and two pounds each of salt, bicarbonate of soda and hyposulphate of soda. The dose is a teaspoonful to each 200-pound bog, given in a little water, shaken thoroughly, with a small bottle.

Mulch for Strawberries.

The best mulch for a strawberry bed is fine horse manure. Early in the spring it should be raked off the rows and worked in close to the plants, using salt, hay or any clean material in its place on the rows as a muich after the plants are well grown, so as to protect the fruit from dirt and shade the soil.

Protection for Huskers.

To protect your bands, in busking, get a few yards of cotton flannel and make the mitts yourself, putting the fuzzy side outside, and patch the palm and thumband get a can of pine tar and tar the patch, and it will last twice as long. When worn through remove the ing the disease. Quicklime mixed with patch and do as before. This may be repeated many times before one pair of mittens becomes useless.

Kepairing Roads.

But little can be done to the roads in winter except to fill up the holes with Compound enough. It is the greatest coarse gravel. The time to gravel the remedy of the age." roads is in April, as they will be fairly well packed by June, and will require only occasional leveling with the road scraper. Well-made gravel roads are considered the best if kept in good con-

There Is No Telling.

Be sure not to let rheumatism stay in the system longer than you can get a bottle of St. Jacobs Oil to cure it. There is no telling what part it may strike or how much misery it may give.

Hudson Bay Is Disappearing. Hudson bay will in the course of a few centuries become dry land, the rise of its surface being more remarkable than any other portion of the earth. Beaches covered with driftwood are found 20 to 70 feet above the bay, and the old harbors have become very shallow.

Why the Best

Hood's Sarsaparilla is the best medicine money can buy. It has stood the test of time and trial. Its great merit is demonstrated by its cures of Scrofula, Salt Rheum, Humor, Psoriasis, Scald Head, Boils, Blood Poisoning, Rheumatism, Catarrh, Stomach Troubles, Dyspepsia, Indigestion, Nervousness, etc.

Hood's Sarsaparilla Is America's Greatest Medicine. Price, \$1. Hood's Pills cure all Liver Ills. 25 cents.

To Electrocute a Safety Vault. An experiment of scientific interest is to be tried in getting rid of the safety vault of the old Cincinnati (O.) Deposit and Trust Company. The walls are constructed of layers of hard spring steel to a thickness of one and onequarter inches. Two operators will be placed in the yault and a wire for each run in through a vent hold. The wire will be attached to a carbon, which will be manipulated with a heavy handle. They will pass the carbon over the steel walls, burning them in

intersecting lines. TRY ALLEN'S FOOT-EASE,

A powder to be shaken into the shoes. At this season your feet feel swollen, nervous and uncomfortable. If you have smarting feet or tight shoes, try Allen's Foot-Ease. It rests and comforts; makes walking easy. Cures swollen and sweating feet, bisters and callous spots. Relieves corns and bunions of all pain and is a certain cure for Chilblains, Sweating, damp or frosted feet. We have over thirty thousand testimonials. Try it today, Sold by all druggists and shoe stores for 25c. Trial pachage FREE. Address, Allen S. Olmsted, Lo Roy, N. Y.

One of the choicest delicacies in Jamaica is a huge white worm found in the heart of the cabbage paim. It tastes when cooked like almonds.

To Cure a Cold in One Day

No household is complete without a bot-tle of the famous Jesse Moore Whiskey. It is a pure and wholesome stimulant rec-ommended by all physicians. Don't ne-glect this necessity.

Submarine volcanos are constantly being discovered, and are at times owing to their sudden appearance a great IIn, Ireland, Sept. 20, 1838, coming to

If you want the best wind mill, pumps, tanks, plows, wagons, bells of all sizes boilers, engines, or general machinery, see or write JOHN POOLE, foot of Morrison street, Portland, Oregon. Dallas, Texas, has a colored printer's

Brooklyn Hotel, 208-212 Bush street. American or European pian. Room and board \$1.00 to \$1.50 per day; rooms 50 cents to \$1.00 per day; single meals 25 cents. Free coach. Chas. Montgomery.

The aristocracy of China and Spain will agree that it has been a very hard

HOITT'S SCHOOL FOR ROYS.

Now at Burlingame, will remove to its beautiful new home at Menlo Park, San Mateo County, Cal., and re-open January 16th, 1899. Address Ira G. Hoitt, Ph. D., Menlo Park, Cal.

In Japan poor children have labels with their names and addresses hung around their necks as a safeguard against being lost.

RELIEF FROM PAIN.

Women Everywhere Express their Gratitude to Mrs. Pinkham.

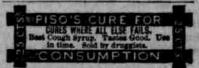
firs. T. A. WALDEN, Gibson, Ga., writest "DEAR MRS. PINKHAM:-Before taking your medicine, life was a burden to me. I never saw a well day. At my monthly period I suffered untold misery, and a great deal of the time I was troubled with a severe pain in my side. Before finishing the first bottle of your Vegetable Compound I could tell it was doing me good. I continued its use, also used the Liver Pills and Sanative Wash, and have been greatly helped. I would like to have you use my letter for the benefit of others."

Ars. FLORENCE A. WOLFE, 515 Mulberry St., Lancaster, Ohio, writes:
"DEAR MRS. PINKHAM:—For two

years I was troubled with what the local physicians told me was inflammation of the womb. Every month I suf-fered terribly. I had taken enough medicine from the doctors to cure anyone, but obtained relief for a short time only. At last I concluded to write to you in regard to my case, and can say that by following your advice I am now percetly well."

Mrs. W. R. BATES, Mansfield, La., writes :

"Before writing to you I suffered dreadfully from painful menstrua-tion, leucorrhees and sore feeling in the lower part of the bowels. Now my friends want to know what makes me look so well. I do not he sitate one minute in telling them what has brought about this great change. I cannot praise Lydia E. Pinkham's Vegetable



WISCONSIN WOMAN PREACHER,

Mrs. Nellie Opdale Fills Universalist After hearing her preach on several occasions, and being more impressed with her ability on each succeeding oc-

casion, the congregation of St. Paul's Universalist Church at La Crosse, Wis., extended a call to Rev. Nellie Mann Opdale of Racine. This gifted and earnest preacher was

born at New Lisbon in 1860. Within a year after graduating from the public schools of Racine she obtained a position as teacher, which she held until her marriage four years later to Julius H. Opdale, an attorney of Eau Claire.



afterward the widow went on the lecture platform on behalf of woman suffrage. While engaged in this work she appeared before the legislature twice, commanding close attention on both occasions. Meantime she had been licensed to preach by the Universalist convention, making her first pulpit appearance at Mukwonago in 1894. Next year she was called to a pastorate there, remaining at that place until she accepted the charge at La Crosse. Her regular ordination as a minister of the Universalist Church took place at the State gathering of that denomination in 1895.

WHIPPING POST FOR ILLINOIS,

President of Humane Society Advo-cates Corporal Punishment. John G. Shortall, president of the Illi-

nois Humane Society, who believes in the efficacy of the whipping post as a reformatory agency for hoodlums, has been prominently identified with the humanitarians of the country for a number of years, having for more than twenty years been at the head of the Illinois Humane Society. He had also been president of the American Humane Society, which was organized at his suggestion at Cleveland, Ohio, in 1877. Mr. Shortall was born in Dub-America with his parents when a small boy and settling in New York. His parents died very soon afterward, and he began earning his own living in the service of the New York Tribune with Horace Greely. In 1854 he adopted the advice of the famous editor and came West, first entering the employment of When coming to San Francisco go to the Illinois Central as a surveyor, and



JOHN G. SHORTALL.

two years later engaging in the abstract business for himself. Mr. Shortall prospered in this branch of the real estate business, and was able to retire from active business in 1872. Since his retirement he has devoted himself mainly to charitable, educational and humanitarian work, devoting himself with enthusiasm to directing the Illinois Humane Society's affairs.

Electricity in Shipbuilding. The use of electricity in shipbuilding, as well as for the ship's machinery, is making rapid progress. The portable electric drills used in shippards have resulted in a marked economy, working as they do as readily in the most inaccessible places or awkward positions as in the open. Another invention of note in this line is the electric riveter, so that now the holes may be drilled and the rivets driven from the same power circuit. This machine will deal with rivets up to one-eighth-inch diameter at the rate of 120 per hour, requiring for this work only one and a half horse power.

Betrothals in Spain. A curious custom obtains in some portions of Spain in regard to betrothals. A young man who looks with favor upon a handsome senorita and wishes to gain her hand calls on the parents for three successive days at the same hour of the day. At the last call he leaves his walking stick, and if he is to win the desired bride the cane is handed to him when he calls again. But if he is not regarded with favor the cane is thrown into the street, and in this way the young man is made to understand that further calls will be useless.

The Sandwich Islanders are so fond of the sea that they actually teach their children to swim long before they are able to walk. The tiniest mites play games in water well out of their

Buth White on the New Dime.

If you have one of the new dimes, have sat to Uncle Sam's artist, the re- | limber and strong. semblance is so close. Miss White was a member of the Castle Square Company last season.

The Enermous Gold Product of 1898, From South Africa, the Klondike and Australia gold is being shipped in large quantities. This year's output will nearly double that of any previous twelve months. The sale of Hostetter's Stomach Bitters are also increasing very fast. This famous remedy will cure dyspepsia, indigestion, constipation, nervousness and weakness.

A medical writer in India declares that segregation of patients, the ony effective way of dealing with the plague, is so repugnant to the Hindoos that they prefer to die by the million rather than submit to it.

Strong as a Steel Ramrod. If you want to feel your spine is a pipe stem ready to snap, just get lum-

bago. If you want to feel as strong as a steel ramrod, use St. Jacobs Oil; it has magic. It is estimated that all the gold

mined in Catifornia since 1848 could be put into a room 12 yards long, 6 yards wide and 5 2-3 yards high.

FITS Permanently Cured. No fitsor nervousness after first day's use of Dr. Kline's Great Nervo Restorer. Send for FREE \$1.00 trial bottle and treatise. DR. R. H. KLINE, Ltd., 88 Arch street, Philadelphia, Pa. Australia sends cocoanut oil to Eng-

For Lung and chest diseases, Piso's Cure is the best medicine we have used.—M. J. L. Northcott, Windsor, Ont., Canada.

Thunder can be heard nine miles

DEAFNESS CANNOT BE CURED

By local applications, as they cannot reach the diseased portion of the ear. There is only one way to cure deafness, and that is by constitutional remedies. Deafness is caused by an inflamed condition of the mucous liming of the Eustachian Tube. When this tube gets inflamed you have a rumbling sound or imperfect hearing, and when it is entirely closed deafness is the result, and unless the inflammation can be taken out and this tube restored to its normal condition, hearing will be destroyed lorever, nine cases out of ten are caused by catarrh, which is nothing but an inflamed condition of the mucous surfaces.

We will give One Hundred Dollars for any case of Deafness (caused by catarrh that can not be cured by Hall's Catarrh Cure. Send for circulars, free.

F. J. CHENEY & CO., Tolede, C. Seld by Druggists, 750.

Sold by Druggists, 750 Hall's Family Pills are the best. Massachusetts claims to have more different kinds of native trees than any

kingdom in Europe; the number expeeding 50, among them being nine

Sinking of the Merrimac. The complete story of the sinking of the Merrimac and the capture and imprisonment of her crew at Santiago, will be graphically told in an article by Osborn W. Delgnan, U. S. Navy, late helmsman of the Merrimac, in the January Frank Leslie's Popular Monthly, now 10 cents, and to be published De-cember 24th. The story will be fully and righty illustrated with authentic portraits of Hobson and all the crew, besides many new drawings especially prepared under Mr. Deignan's personal supervision. Other features promised for the January Frank Leslie's are:

Makes the Muscles Strong.

From hard work or excessive exercise you are carrying in your pocket a very soreness and stiffness sets in and lays good picture of Miss Ruth White, of up. St. Jacobs Oil will cure it after a soreness and stiffness sets in and lays San Francisco. Miss White might few applications and make the muscles

Leather money circulated in Russia so recently as the time of Peter the

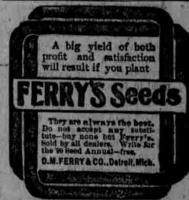


THE EXCELLENCE OF SYRUP OF FIGS

is due not only to the originality and simplicity of the combination, but also to the care and skill with which it is manufactured by scientific processes known to the California Fig Syrus Co. only, and we wish to impress upon all the importance of purchasing the true and original remedy. As the genuine Syrup of Figs is manufactured by the California Fig Syrup Co. only, a knowledge of that fact will assist one in avoiding the worthless imitations manufactured by other new assist one in avoiding the worthless imitations manufactured by other parties. The high standing of the CALIFORNIA FIG SYRUP Co, with the medical profession, and the satisfaction which the genuine Syrup of Figs has given to millions of families, makes the name of the Company a guaranty of the excellence of its remedy. It is far in advance of all other laxatives, as it acts on the kidneys, liver and bowels without irritating or weakening them, and it does not gripe nor nauseate. In order to get its beneficial effects, please remember the name of the Company -

CALIFORNIA FIG SYRUP CO.

SAN FRANCISCO, Cal. P. Er. NEW YORK, N. T. LOUISVILLE, KY.



Bret Harte's new story "Jack Hamlin's Mediation"; Joaquin Miller's "In a Klondike Cabin"; and Thomas R. Dawley's "Campaigning With Gomez."

Woodard, Clarke & Co., PORTLAND, OR.

DR. DARRIN, SPECIALIST.

Submits a List of Special Diseases He Treats With Electricity and Medicine.

PRIVATE DISEASES—Gleet, Gonor-rhea, Stricture, Syphillis, Weakness of Organs quickly cured without pain or detention from business.

LOST MANHOOD and vigor quickly restored; varicoccie, weak and undeveloped parts fully restored.

LADIES who suffer from apathy, indifference, nervous debility or diseases peculiar to women, can consult the doctor with perfect confidence.

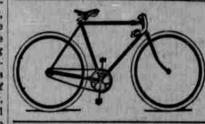
BLADDER, Infammation, Cystitis, Catarrh of the Bladder. These diseases in variably yield to this treatment.

VARICOCELE, Hydrocele, Piles, Fistula, Swelling and Tenderness of Giands, and Shrunken Organs treated with unfalling success.

KIDNEYS, Infiammation of the Kidneys, Diabetes, Congestion of the Kidneys, Diabetes, Congestion of the Kidneys, Uraemia, Gravel, Stone, all scientifically and successfully treated.

BLOOD AND SKIN Diseases, Sores, Spots, Pimples, Scrofula, Syphillitis Taints, Tumors, Rheumatism, Eruptions, etc., promptly cured, leaving the system in a pure, strong and healthful state.

YOUNG MEN, If you are troubled with tired feelings, gloomy forebodings, paipi-



\$40 CASH, \$45 INSTALLMENTS 1899 Rambler BICYCLES

"Best Wheels on Earth." 1899 Ideals \$22.50, \$25, \$30. Send for catalogue. Live agents wanted everywhere. PRED T. MERRILL CYCLE CO.,

SPOKANE. TACOMA.

WILLAMET IRON ENGINES, BOILERS

Saw Mill and Mining Machinery.

Dealers in Flour Mill and Grain Cleaning Machinery and Supplies. Repairing Promptly Attended to.

WORK THE BEST. PRICES THE LOWEST.

....PORTLAND, OR.

