Saves Time and Money. is delightful weather to breather invigorating air, but take care of hago, or else St. Jacobs Oil must care of it and cure it promptly. ves time and money.

When He Goes.

your husband ever go to ch, Mrs. Badger?" h, yes, he goes quite regularly in

winter time." Why does he go in the winter time

why does he go in the winter time not at other times?" Well, you see, he generally has the sy when the weather is raw and kshe is going to die."—Chicago ning News.

The Best

dicine Money Can Buy od's Sarsaparilla. It contains more tive power, is prepared with greater educated and experienced pharby ats. It has the greatest sales and ts the greatest cures. It is the medi-you should take to purify your blood make yourself strong and healthy beweather comes.

ood's Sarsaparilla ably be 50,000 cases. d by all dealers. Price, \$1. Get Hood's. od's Pills cure indigestion. 25 cents.

A Principle of Life Illustrated. here are certain plants-the dodfor instance, which begin life with best intentions, strike true roots the soil, and really appear as if meant to be independent for life. after supporting themselves for a period they fix curious sucking s into the stem and branches of adnt plants. And after a little exmenting the epiphyte finally ceases anything for its own support, ceforth drawing all its supplies w made from the sap of its host. this parasitic state it has no need organs of nutrition of its own and re takes them away. Thenceb the dodder is a plant without a without a twig, without a leaf, having a stem so useless as to be



An inch of rain falling upon an area one square mile is equivalent to arly 17,500,000 gallons, weighing Co 250,000 pounds, or 64,844 tons.

The stability of the solar system nstrated by Laplace from New-'s law of attraction, is shown by M. Poincare to be a mistaken inference. rlooking the modern conception of RY.

When coming to San Francisco go to ooklyn Hotel, 208-212 Bush street, merican or European plan. Room and at \$1.00 per day; single meals 25 cents. te coach. Chas. Montgomery.

Coronium, known hypothetically as constituent of the sun, has been dis-

ALONG THE COAST.

Items of General Interest Gleaned From the Thriving Pacific

States. The Salmon Pack.

The fall Sound pack, as given last week, is 135,000 cases, and the Fraser river 34,500. The Columiba river pack is given as 115,000, the largest in the history of the river. The Trade Register estimate on August 37 was 600,000 for red Alasks, but later reports in-creased it to \$40,000 cases. No definite figures for the total Alaska pack are at hand. The Sound sockeye pack was 256,500 cases: Fraser river alone, 193,000; British Columbia (including the Fraser), 414,900; Columbia river, 383,530 cases. Total pack last year. all points, was given at 3, 121, 117 cases. The fall pack of Puget sound last year

was 120,200 case, with 87,500 for Willapa and Gray's harbor; 63,650 for Columbia river and a total of 295,628 cases of falls for the coast (not including Alaeka), against 284,590 this year. The run in the Gray's harbor district has been good this year, and will prob-

Los Angeles Oil Output.

The oil producers' trustees have published the regular monthly report for October. The statement shows that 15,986 barrels of oil were received during the month. During the same period the sales amounted to 22,782 barrels. The amount in storage on October 1 was \$2,236 barrels. The amount on November 1 had fallen to 78,440 barrels. Virtually all of this amount belongs to the Oil Transportation & Storage Company. A circular just issued by this company shows that it intends to go into the oil buying and selling business.

Orange Estimate.

The orange crop will be late this year, and few will be fit to ship to the Northwest for the holiday trade. The Los Angeles Express in writing up the outlook says that the total shipments from Southern California for the year foot up, of all kinds of citrous fruits, 15,148 carloads, which is a large per cent greater than for any previous 12 months. The coming crop is expected to equal last year's. There is a good demand for lemons, but this fruit is scarce.

New Fish Canning Concern.

A new incorporation has been formed at Astoria, Or., to be known as the Alasak Fisherman's Packing Company, with a capital stock of \$70,000, divided into 140 shares of \$500 each. The company will engage in the canning, salting and freezing of salmon in Alaska and elsewhere. The incorporators are Theodore Siverson, Christ Christensen, John Nordstrum, Ole B. Oleson, A. L. Clark and John L.

Columbia River Shipping.

The following ships left Portland last week, touching at Astoria: The British ship Mooltan cleared for Queenstown or Falmouth for orders, with 95,886 bushels of wheat, valued at \$57,500, shipped by the Portland Flouring Mills Company. The British ship Nivelle, loaded by Balfour, Guthrie & Co., finished also, and went into the stream, and the Mozambique, with

The capitalists have recently sent an expert to investigate the deposit of \$24@25; whole, \$22. lignite coal that exists on Mallory Flour-Patent, per

PACIFIC COAST TRADE. Portland Market.

Wheat-Walla Walla, 59 @ 60c; Valley and Blucstem, 68c per bushel.

Flour-Best grades, \$3.45; graham, \$8; superfine, \$2.25 per barrel. Oats-Choice white, SB@40c; choice

gray, 37@38c per bushel. Barley-Feed barley, \$21 @ 22; brewing, \$28 per ton. Millstuffs-Bran, \$15.50 per ton; mid-

dlings, \$21; shorts, \$16; chop, \$15.50 per ton

Hay-Timothy, \$9@10; clover. \$7 @S; Oregon wild hay, 6\$ per ton. Butter-Fancy creamery, 50@55c; seconds, 45 @ 50c; dairy, 35 @ 40c store, 30@ 35c.

Cheese-Oregon full cream, 11@12c; Young America, 1214c; new cheese, 10c per pound.

Ponitry-Chickens, mixed, \$2@3.50 per dozen; hens, \$3.50@4.50; springs, \$1.25@3; goese, \$5.00@8.00 for old, \$4.50@5 for young; ducks, \$4.00@ 5.00 per dozen; turkeys, live, 125 1234c per pound. Potatoes-50 @ 60c per sack; sweets,

2c per pound. Vegetables-Beets, 90c; turnips, 75c

per sack; garlie, 7c per pound; cabbage, \$1@1.25 per 100 pounds; cauliflower, 750 per dozen; parenips, 75c per sack; beans, So per pound; celery, 70 @ 75c per dozen; eucumbers, 50c per box; peas, 8@8%c per pound.

Onions-Oregon, 75c@\$1 per sack. Hops-15@17c; 1897 crop, 4@6c. Wool-Valley, 10@12c per pound; Eastern Oregon, 8@12c; mohair, 25c per pound.

Mutton-Gross, best sheep, wethers and ewes, \$ 50; dressed mutton, 7c; spring lambs, 7 %c per lb. Hogs-Gross, choice heavy, \$4.75;

light and feeders, \$3.00 @ 4.00; dressed, \$5.50@6.50 per 100 pounds. Beef-Gross, top steers, 8.50@\$3.75;

cows, \$2.50@3.00; dressed beef, 5@6%c per pound. Veal-Large, 5% @6c; emall, 6%@ 7%c per pound.

Scattle Markets.

Tomatoes, 50@85c per box. Cucumbers, 10@15c per doz. Onione, 85@90c per 100 pounds. Potatoes, \$10@12. Beets, per sack, \$1. Turnips, per sack, 60@65a. Carrots, per sack, 65c. Parenipe, per sack, \$1. Beans, green, 2@8c. Green corn, \$1.25@1.50 per mck. Cauliflower, 750 per doz. Celery, 40@ 50c. Cabbage, native and California .00@1.50 per 100 pounds.

Apples, 50c@65c per box. Pears, 75c@#1 per box. Prunes, 50c per box. Peaches, 75c. Plums, 50c. Butter-Creamery, 27c per pound;

dairy and ranch, 18@20c per pound. Eggs, 82c. Cheese-Native, 12@1216e. Poultry-Old hens, 13c per pound;

spring chickens, 15c; turkeys, 16c. Fresh meats-Choice dressed beef steers, prime, 6%@7c; cows, prime, 6%c; mutton, 7%c; pork, 7@8c; veal, Wheat-Feed wheat, \$21.

Oats-Choice, per ton, \$23. Hay-Puget Sound mixed, \$9.50 @ 10; choice Eastern Washington timothy, \$12.

Corn-Whole, \$23.50; cracked, \$24; feed meal, \$23.50. Barley-Rolled or ground, per ton,

THE FARM AND HOME plaster is to attract moisture, which

MATTERSOF INTEREST TO FARM. ER AND HOUSEWIFE

Crops Should Be Properly Rotate1-New Honey Bees from the Phillppines-How to Care for a Horse-To Prevent Cows Jumping.

What the rotation of crops should be

condition of the soil as well as on its box. location, but experience has shown that in order to economically cultivate the soll crops must be grown that will not too seriously encroach on any one particular element in the soll to the exclusion of the others. That this is not more generally understood is the cause of many failures. A farmer will find that plowing under clover or peas or some other nitrogenous plant has given him a soil on which he raises a fine crop of corn, and instead of being satisfied with this result he must needs put the land in corn again to still further deplete its fertility without returning anything to it. The result is that while

he usually obtains a good second crop of corn, the soil is in precisely the same condition as it was before the legumes were put into it, and in order to keep up lean Agriculturist. its fertility considerable more must be spent on fertilizers of some sort. This could have been avoided had the land been put into wheat and clover after the first crop of corn; not only avoided, but he would have had a second crop of clover to turn under, which would have added more fertility to the soll than was taken from it by the corn and

Glant East India Bees.

wheat crops.-Atlanta Journal.

One of our acquisitions with the Philippine Islands is likely to be a new species of the honey bee. It is onehalf larger than the American honey bee, with a much greater capacity for making both wax and honey. In its wild state it builds combs on large forest trees or in clefts of the rocks in the mountains of the island. As it goes up the mountains for a distance of 5,000 feet, it is believed that it can be acclimated so as to live in the United States. Mr. Frank Benton of the Department of Agriculture went to the Philippines to investigate these new kind of bees. He reports them not to be easily irritated. Unfortunately a swarm which Mr. Benton captured in the jungle died on its passage across the Pacific. These bees have a wasp-like figure, with orange-colored bands encircling its body. The combs it makes are much larger than those made by ordinary bees. If it can be domesticated in hives the hives must be very large ones. In fact, a room would scarcely be too large, and it might accommodate several swarms.

Care of a Horse.

The animals should be first watered, then fed, and while they are eating their corn the bed is turned up, the stalls mucked out, the feet picked out with the picker, and the soles, frogs and walls well washed with the water brush, the shoes being examined to see that they are firm and serviceable. Thorough grooming with brush, currycomb, sponge and linen rubber.

Sick and idle horses require grooming as much as working animals do to keep them in health. If horses got more efficient grooming there would be fewer At 3 cents a quart the cash value of complaints as to "surfeit," pimples, 5,000 pounds of milk is \$00.75. With blotches, hidebound, roughness and good farm management such cows

Italy's Accession of Territory. such soil usually needs. Plaster has been sold at the mills as low as \$2 per ton in winter when most of the rock 10 years by the advance of the delta of ing in the hold. For ten days they bravely grinding is done. Ten or fifteen miles the Po into the Adriatic sea. The away and in summer, when farmers wanted to use it on crops, the price would jump up to \$4.50 and even \$5 per away and in summer, when farmers ton. So those who used much plaster York Sun. generally went with sleighs during a run of good sleighing, when they would TWO GRATEFUL WOMEN sometimes draw two tons or more on

a load. A half bushel of plaster weighs pretty near 100 pounds, so that a good must depend largely on the quality and deal can be put in an ordinary sleigh

Ripe Tomatoes for Christman Before frost comes pick all sound

green fruit from the vines, and carefully wrap each one in a 6x9-inch sheet of white wax paper, taking care not to twist as in packing oranges. Spread out in a single layer on trays or in shallow boxes, and place in a partial light in a cellar. To hasten ripening they may occasionally be exposed to the sun half an hour at a time. Once a week examine and pick out the red ones and those that may decay. This may be done easily, as the transparency of the paper does not necessitate unwrapping. Thus one may have a constant supply of plump, palatable and beautiful tomatoes till Christmas, with triffing expense or trouble .-- Amer-

Pruning.

There is a difference of opinion as to the proper time to prune an orchard. but a good time is when the knife is sharp. Visit the orchard often and cut off all water sprouts and superfluous limbs that interfere with their neighbors. Head the trees low. It will be more convenient to gather the fruit and storms are not so hard on a low tree as a high one.

A Big Horse.

The largest horse in America has been discovered in Illinois. He stands twenty hands high, weighs 2,500 pounds, and has never been either broken or shod. He is nearly a pureblood Clydesdale. Of course, he is a freak, and not likely to be worth anything except for exhibition purposes.

Farm Notes.

When a farmer's stock seems to be all of one mold, and that a good one, there are dealers ready to take them as a lot, and at the owner's price. A firstclass animal is sure to bring a good figure, but he who has all first-class animals usually obtains the top of the market.

While there are a good many kinds toads, all of them bring sudden death to every bug or fly which come within their reach. It is doubtful if the most industrious bird devours as many insects in a year as the toad. They are not attractive in appearance, but we should hever destroy one of them.

The entire manurial product of the dairy herd kept at Cornell University station was kept in a covered barnyard during one winter. Samples were taken from time to time and analyzed. The results based upon the market price of the then principal fertilizing ingredients showed the manure of the herd to be worth per cow per day 8.62 cents. A cow that produces 2,325 quarts

yields within a fraction of 5,000 pounds. A good cow should produce 5,000 pounds of 3.75 to 4 per cent. milk.

with the Italian surveys of 1893 .- New

Restored to Health by Lydia E.

Pinkham's Vegetable Compound.

"Can Do My Own Work."

Mrs. PATRICE DANEHY.

West Winsted, Conn., writes: "DEAR MRS. PINKHAM:-It is with pleasure that I write to you of the benefit I have derived from using your wonderful Vegetable Compound. I was very ill, suffered with female weakness and displacement of the womb.

"I could not sleep at night, had to walk the floor, I suffered so with pain in my side and small of my back. Was troubled with bloating, and at times would faint away; had a terrible pain in my heart, a bad taste in my mouth all the time and would vomit; but now, thanks to Mrs. Pinkham and her Vegetable Compound, I feel well and sleep well, can do my work without feeling tired; do not bloat or have any trouble

who is wearing an old hat when every whatever. "I sincerely thank you for the good advice you gave me and for what your medicine has done for me." 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.

"Cannot Praise It Enough."

Mise GERTIE DUNKIN,

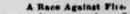
Franklin, Neb., writes: "I suffered for some time with painful and irregular menstruation, falling of the womb and pain in the back. I tried physicians, but found no relief. "I was at last persuaded to try Lydia E. Pinkham's Vegetable Compound, and cannot praise it enough for what it has done for me. I feel like a new person, and would not part with your medicine. I have recommended it to several of my friends."

case of Catarrh that can not be cured by Hall's Catarrh Cure. F.J. CHENEY & CO., Props., Toledo, O. We the updersigned, have known F.J. Cheney for the past 15 years, and believe him perfectly honorable in all business transactions and fip-sucially able to carry out any obligatious made by their firm. Wast & Tavax, Waste a Tavax, Waste a Tavax, S. Waster, Coledo, O. WatDiwo, Kinwax & Manvis. Wholesale Druggists, Toledo, O. Hall's Catarrh Cure is taken internally, acting directly on the blood and mucous surfaces of the system. Price 76 per bottle. Sold by all druggists. Testimonials free. Hall's Family Fills - ro the best. Rug weaving is an art older than the Pharaohs, and the history of the first loom lies shrouded in oblivion. Easy Work.

Too much exercise leaves one a prey to soreness and stiffness, but it is easy work for St. Jacobs Oil to get the muscles back into proper shape and cure the distress.

decorations by a new brush, which has a reel on the handle on which the A process has been recently perfected by which thin sheets of absolutely metallic leaf is wound, one end being transparent celluloid are silvered by a inserted under the tip of the brush, which slides along and deposits the similar process to that formerly used foil on the surface underneath. on glass.

gravates the trouble.



Italy has had 294 square miles of The crew of a steamer from Spain dis-tand added to its territory in the last covered in mid ocean that flames were ragfought the flames. If men would fight as

> The total number of chemical works registered in all parts of Germany is 6,144, with 125,440 employes.

Avoid the Night Air.

Avoid the night air when damp and cold, and you will often avoid having neuralgia, but St. Jacobs Oil will cure it no matter what is the cause and no matter how long it has continued.

The height of the mountains in the noon has been measured. One has an altitude of \$3,000 feet, and several are upwards of 80,000 feet in height.

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

The feminine enthusiasm over Schley surpasses that displayed toward Hobon to a degree which suggests an inclination to make a distinction between a lieutenant and an admiral.

FITS Permissionity Cured. No fits or nerrousness after first day's use of Dr. Kilne's Great Nerve Restorer, Seed for FIEES 02.00 trial Fottle and treatise. DR. R. H. KLINE, Ltd., SE Arch street, Philadelphia, Pa.

The violet, for modesty and shy un-

obtrusiveness, isn't in it with a girl

HOW'S THIST

We offer One Hundred Dollars Reward for any ase of Catarrh that can not be cured by Hall's

Paper made from seaweed is a grow-

ing industry in France. It is so trans-

parent that it has been used in place of

Piso's Cure for Consumption has been a God-send to me.-Wm. B. McClellan, Chester, Florida, September 17, 1896.

Gilding is easily applied to signs and

lass.

AN AFFAIR THE NATION

are "a nation of dyspeptics" and it is true

that few are entirely free from disorders of the digestive tract, Indigestion. Dyspepsia,

Stomach and Bowel trouble, or Constipation.

The treatment of these diseases

with cathartic medicines too often ag. g

It has been said of Americans that they

one else has on new millinery.

ed by Professor Nasini, of Padua, volcanic emissions. It is a gas aprently much lighter than hydrogen.

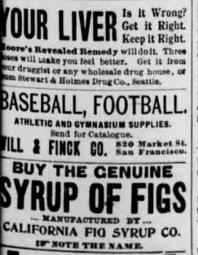
Furlough and Leave of Absence. With the return of the volunteers active duty the terms "furlough" d "leave of absence" have been em-

byed frequently, and in many inces improperly. A furlough is a mission given by a commissioned sioned officer to be absent from ty for a certain length of time. There still remains in that city some we of absence is the term used when like permission is given to a comoned officer by his superior. - New ork Tribune.



MADE ONLY BY WALTER BAKER & CO Ltd.,

Dorchester, Mass.





nounced all right, and from what can No household is complete without a bot-tof the famous Jesse Moore Whiskey. It a pure and wholesome stimulant rec-mended by all physicians. Don't ne-tot this necessity. be learned it is thought the extent of for a distance of 16 feet.

Pooling Hops for Better Prices. The hopgrowers in the vicinity of Independence, Or., in order to take advantage of the raising market are pooling their crops together and hope to obtain 17 cents. A recent shipment cer to an enlisted man or noncom- from there consisted of five carloads, containing 301 bales of first-class hops.

> 700 bales of hops unsold. For San Francisco Market.

Owing to the extreme dry season in California during the past year large 40@42c. sales of cattle for shipment to California have been made in Oregon. Two purchased 900 head of fine beef cattle \$3.50 @4.50; per box. near Lakeview. The sale approximates \$30,000.

Bonds Sold. The municipal bonds of Great Falls, Mont., have been sold to good advantage in Chicago. The issue amounts to \$375,000, on which a premium of \$10,105 was obtained, which added to the accrued interest made a total of \$381,526.21 received by the city. Water Main Contract Let.

The city council of New Whatcom, Wash., has let a contract for extending the city water system 8,600 feet to J. H. Thomas for \$19,808. The pipe will be wooden-stave, and the bond required in the sum of \$30,000. Clearing-House Returns.

Victoria, B. C., has had a clearinghouse for two weeks now, and the volume of business shows a good increase. figures were \$700,558.

New Industry. The first shipment was made last week from Port Moody to Vancouver, B. C., of oil of cedar. A company has been organized to carry on the industry, and though now in its infancy, a possible great future is ahead of the

enterprise. New City Hall Contract Let.

\$2,650.

The largest log drive for several years the Colfax, Wash., saw mill. It will consist of 4,000,000 feet of logs.

Undoubtedly there will be a great rush into the Atlin district, Alaska, in the spring. The country has proved very rich.

simpson Mill Co., of Ballard, will be and their great-grand children. shipped from Seattle December 1 to

ridge, near Asotin, Wash. A test was straights, \$3.25; California brends, made of the coal, and it was pro- \$3.25; buckwheat flour, \$3.75; graham, per barrel, \$3.70; whole wheat flour, \$3.75; rye flour, \$4. Millstuffs-Bran, per ton, \$14; shorts, per ton, \$16. Feed-Chopped feed, \$17 321 per

ton; middlings, per ton, \$17; oil cake meal, per ton, \$35.

San Prancisco Market.

Wool-Spring-Nevada, 10@14c per pound; Oregon, Eastern, 10@12c; Valley, 15@17c; Northern, 9@11c. Millstuffs-Middlings, \$19@21.00; bran, \$15.50@16.50 per ton. Onions-Yellow, 30@45c per sack. Butter - Fancy creamery, 24c; do seconds, 22@c23; fancy dairy, 21@

22c: do seconds, 20@24c per pound. Eggs - Store, 18@22c; fancy ranch,

Citrus Fruit-Oranges, Valencia, \$2 @2.50; Mexican limes, \$6 @ 6.50; Cali, wholesale butchers of San Francisco fornia lemons, \$2.00 @. 800; do choice

THE OLD-TIMERS.

Elder Abram Perkins of the Shaker settlement, is 91 years old, yet frequently walks all the way to Concord, N. H., a distance of over 20 miles.

James A. Davis, who died in Dorchester county, Maryland, last week, steered the first steamer that crossed Lake Erie. Chicago was then, he said,

but three brick houses. Mrs. Nancy Carine is dead at Dillsboro, Ind., aged 67. For 47 years she had lived less than a mile from a railroad and within easy sound of the locomotive whistle, but never saw either road, car or engine.

Mme. Ristori, otherwise the Marquise Capranica del Grillo, is in her 77th year, and is lying critically ill The returns for last week were \$785,- at Rome, being thus unable to accept 185, while for the week previous the the invitation of the queen of Italy to pass a few days with her at Gressony.

> Frederick P. Sanguinet, father of 11 children with 26 grandchildren, has just died at his home, 4358 Evans av. nue, St. Louis. His death is the first that has occurred in the family, including three generations, for over half a century. The Sanguinets have lived in St. Louis all the time. During Mr. Sanguinet's 73 years he has not

The council of La Grande, Or., been ill a day, and until three weeks last week awarded a contract for the ago, when taken ill with liver trouble, erection of a new city hall, to cost was engaged in active business as civil engineer.

Mr. and Mrs. Samuel Spring Haskell will be brought down this season by have been celebrating the 70th anniversary of their wordding at 81 Lefferts place, Brooklyn. Mr. Haskell is 90 years old, his wife 86. They are both lar from being infirm. The husband uses no glasses; the wife reads comfortably with them. They talk spiritedly of the old days when Brooklyn

A consignment of 280,000 feet of fir was a wilderness, and they are the idol and ordar lumber, the product of the of their children, their grandchildren

shipped from Seattle December 1 tod Chinese laundrymen of New York Honolulu, to be used by the United Chinese laundrymen of New York iStates government in the erection of have formed a trust, and prices have been raised.

other things that affect the health and spoll the appearance of the animal, and there would also be less demand for alterative and "condition" powders, which are generally rendered neces-

sary through the skin becoming unheadthy owing to its neglected condition.

The cleaning out of the foot is an important point that is entirely neglected with most of our farm horses. Of course, when out at pasture it is not necessary, but where horses are in the stable continuously the feet should be looked after better than they usually are.-Mark Lane Express.

To Keep a Cow from Jumping.

Make a good strong halter and surcingle; make both of good leather or of good three-fourths inch rope; put the surcingle around just behind the forelegs, having a good large ring fastened to it under the brisket. Put the halter on as on a horse, having a stout ring under the chin. Fasten a short chain from the ring in the surcingle to the ring in the halter, having it short enough that she can not raise her head more than two feet from the ground, or less if she is very bad. The surcingle where it crosses the back and the halter on the nose should be wrapped with soft cloth to keep them from rubbing. With this a cow can neither throw nor jump fence, and still she can throw her head around to her sides to fight off the flies.-Practical Farmer.

Using Raw Bones on the Farm

The quickest and simplest method of utilizing old bones is to burn them in the kitchen stove and carefully save the ashes. In this way you get in the ash all the phosphoric acid and lime there is in the bone, but you lose the nitrogen, which goes off as gas in the smoke. Where the quantity of bones is small, however, and especially if the facilities required for other methods of using them are not at hand, and if the bones cannot be sold at a fair price, this burning of them is far better than to permit them to go to waste. Bone makes an intense heat, and as far as it goes is a valuable fuel. Every thrifty farmer saves all the wood ash from the house, for it is so rich in phosphoric acid and potash that not a pound of it should be wasted, but every bit of wood ash (whether containing bone ash or not) should be religiously preserved. Every intelligent and thrifty farmer knows the value of a dressing of rich wood ash and fine bone meal. Except for the loss of nitrogen by burning, this home-made combination of wood ash and bone ash will accomplish nearly as good results as the famous unleached wood ash and bone meal mixture,-American Agriculturist.

Use and Cost of Land Plaster. Land plaster is sold very cheaply in places where the rock suitable for grinding it from is abundant. It is there, too, that it appears to do most good, probably in part because the gypsum rock has always enough holes through it to make good drainage. Its best effect is always found on light and In every ear of pop corn there are dry solls, for one of the properties of grains that will not pop.

should be kept for \$40, which leaves profit above the cost of the feed of \$29.75. The labor cost should not exceed one good man to fifteen cows-Hoard's Dairyman. Very many people are fond of a good

garden, but think they can not keep chickens and have a garden, too. The Maine farmer tells of a poultryman who is noted for success in producing vegetables. He grows twice as much on an acre as formerly. He keeps 100 fowls, and has two lots of ground, one being given up to fowls, while the other is used for garden, the lots being about one and a quarter acres each. The next year he turns the fowls on the garden plat and uses for a garden the plat then vacated by the fowls. By thus giving up the garden plat to poultry every alternate year he keeps the soil very fertile.

Cream left to itself will spontaneously become sour; this is the result of the growth of lactic acid bacteria, which feed upon the milk sugar, and as a final process convert it into a lactic acid. Other forms of bacteria are always present in cream; some have little or no effect in the ripening process, while others, if allowed to develop, produce undesirable and often obnoxious flavors. To cultivate and develop these "wild" germs is called "spontaneous" ripening, and is often attended with uncertainty. Good butter-making de-mands the use of a "starter," either home-made or a pure culture. The former should be made of selected skim milk

Carbolic salve should always be kept ready for use at the cow barn. Bruises and sores often occur in the best regulated establishment, and there is noth ing really better than a carbolic oint ment for such cases. This may be purchased already prepared at any drug store, or the dairyman can easily prepare it for himself by simply taking some vaseline or even lard and adding to it a very small quantity of the acid Two or three drops of carbolic acid would be sufficient for one tablespoonful of the vaseline or lard, only mix them thoroughly together. Such ointment is a rapid healer and keeps flies away from sores. It is excellent for man or beast.-Practical Dairyman. Always in digging an underdrain the without vegetable mold, is more or less mixed with that dug near the surface, and which is usually richer. In filling

the ditch this mixture continues, so that the soil that was dug from the bottom of the ditch may often be in the last spadeful thrown in. Yet it never has been known to make any difference. Always crops of any kind show a better growth directly over the drain than they do on either side, even during the first season's growth. After a year or two the good effect of the drain extends to and on either side, as the soil freezes deeper when surplus water is removed from it, and the roots of

is the use of a remedy that will build up the system, thereby enabling the various organs to act as Nature intended they should. Such a remedy is found in Dr Williams' Pink Pills for Pale People . Here is the proof.

THE LOGICAL TREATMENT

In Detroit there are few soldiers more popular and efficient than Max R. Davies, first sergeant of Co. B. His home is at 415 Third Avenue. For four years he was a bookkeeper with the wholesale drug house of Farrand, Williams & Clark, and he says: "I have charged up many thousand orders for Dr. Williams' Pink Pills for Pals People, but sever knew their worth until I used them for the cure of chronic dyspepals. For two years I suffered and doctored for that aggravating trouble but could only be helped temporarily. helped temporarily.

"I think dyspepsis is one of the most stubborn of aliments, and there is scarcely a clerk or office man but what is more of less a victim. Some days I could eat anything, while at other times I would be starving. Those distressed pains would force me to quit work. I have tried many treatments and remedies but they would help only for a time. A friend induced me to try Dr. Williams' Pink Pills for Pale People, and after taking a few doses I found much relief and after using several boxes I was cured. I know these pills will cure dyspepsia of its worst form and I am pleased to recommend them."-Detreit (Mich.) Journal.

The genuine package always bears the full names At all druggists, or sent postpaid on receipt of price, 50 per bos, by the Dr. Williams Medicine Lo., Schenectady, N.Y.



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